

## **Chapter 1: Introduction to Google Earth™**

### **Exploration 1.1 Getting Started with Navigation**

1. E

Blooms Taxonomy: Knowledge

Geography Standard: 1

2. B

Bloom's Taxonomy: Knowledge

Geography Standard: 1

3. C

Bloom's Taxonomy: Knowledge

Geography Standard: 1

4. D

Bloom's Taxonomy: Knowledge

Geography Standard: 1

5. A

Bloom's Taxonomy: Knowledge

Geography Standard: 1

### **Exploration 1.1 Short Essay**

1. Responses will vary for all short essay questions;

Sample Response: As I look at my campus, I am pleased to see that virtually all of the parking is isolated to the periphery of the campus. This makes the campus experience much more oriented to the pedestrian. The elongated nature of the campus helps facilitate this layout. Because the campus is generally less than one-half mile wide, commuters can usually park within one-quarter to one-half mile of their destination. I also noticed that there are more large trees on campus than in the surrounding residential and commercial districts. I am glad to know that my university is contributing positively to the community in terms of urban forestry.

Bloom's Taxonomy: Evaluation

Geography Standard: 1,2,3,4,9,11,12,18

2. Sample Response: I have a strong preference for navigating using the mouse. I like to adjust location and zoom with the mouse. Sometimes I feel that it is easier to adjust the tilt using the on-screen displays. Another reason I prefer to use the mouse is that it allows me to hide the on-screen navigation controls in order to have a less-cluttered 3D viewer. This can be accomplished by clicking View, Show Navigation

and selecting the controls that you want to be visible.

Bloom's Taxonomy: Analysis

Geography Standard: 1, 3

### **Exploration 1.2 Multiple Choice**

1. E

Bloom's Taxonomy: Application

Geography Standard: 1,3

2. D

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,18

3. A

Bloom's Taxonomy: Application

Geography Standard:1,3,4,18

4. D

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,11,12,17,18

5. C

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,7,9,12,14,15,18

### **Exploration 1.2 Short Essay**

1. Sample Response: Albuquerque, New Mexico appears to be a modern city. This is evidenced by a transportation system composed of paved roads, a higher density downtown area, and the presence of numerous lodging facilities. One unique aspect of the city that can be seen in photos from Panoramio is the abundance of adobe in the built landscape. Even buildings that are not adobe often are colored in tan and brown hues. Vegetation is somewhat limited suggesting that the city has a semi-arid or arid climate. Old Town seems to be a popular tourist destination. Route 66/Central Avenue is an additional focal point for tourism.

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,6,7,8,9,10,11,12,14,15,16,17,18

2. Sample Response: The date is July 7<sup>th</sup>, 2010 and the time is 5 PM. The dominant meteorological feature of North America is a cold front that extends from the Great Lakes region southwest to the Texas panhandle. Significant cloud cover is present in conjunction with showers and thunderstorms along this

boundary. This feature was noticeable at my current location of Breckenridge, Colorado yesterday and today as rain showers have been followed by markedly cooler temperatures.

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,7,15,18

### **Exploration 1.3 Multiple Choice**

1. A

Bloom's Taxonomy: Application

Geography Standard: 1,3,4,8

2. C

Bloom's Taxonomy: Application

Geography Standard: 1,3,4,8

3. E

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,7,11,14,18

4. B

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,11,12,17,18

5. E

Bloom's Taxonomy: Analysis

Geography Standard: 1,3,4,9,18

### **Exploration 1.3 Short Essay**

1. Sample response: Google Earth<sup>TM</sup> represents a tool that can help in times of crisis in numerous ways.

Two that stand out include increased public awareness and improved spatial analysis and decision-making. Increased public awareness is gained by the easily accessed platform of Google Earth<sup>TM</sup>.

Millions of people utilize the application on a daily basis. When layers of contemporary relevance, such as the impacts of Hurricane Katrina or the Deepwater Horizon spill are added to the application, users are likely to explore and gain knowledge on the topic. Secondly, when varied layers such as population locations, flood maps, and viable transportation routes are added to Google Earth<sup>TM</sup>, a range of disaster management specialist can access the information to make informed decisions.

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,13,15,18

2. Sample response: The two regions that stand out in terms of life expectancy are sub-Saharan Africa and Europe. Sub-Saharan Africa displays consistently lower life expectancies. This is likely the result of lower levels of development that would include inadequate healthcare infrastructure, lower levels of education, and the presence of many contagious diseases. On the other hand, Europe's higher life expectancies are a product of a well-educated population with access to quality health care. The more temperate climate also equates to fewer tropical diseases such as malaria.

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,5,9,17

### **Exploration 1.4**

Multiple Choice

1. B

Bloom's Taxonomy: Analysis

Geography Standard: 1,3,4,5,6,9,10,12,18

2. C

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,6,9,10,12,18

3. E

Bloom's Taxonomy: Analysis

Geography Standard: 1,3,4,6,10,12,18

4. D

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,11,12,13,18

5. D

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,5,6,11,12,13,17,18

### **Exploration 1.4 Short Essay**

1. Sample response: I must admit I was surprised to see that Disneyland was quite a bit smaller than I anticipated. The Magic Kingdom complex, including Disneyworld alone is significantly more expansive. It doesn't appear that Disneyland has much room to grow as it is hemmed in by freeways, residential neighborhoods, and large commercial developments.

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,6,9,10,12,18

2. Sample response: I think Google Earth™ imagery could be utilized to identify areas of illegal logging. Logging activities cannot be hidden from the large-scale aerial imagery provided by Google Earth™. It could be difficult to apprehend the loggers as they could have moved to a new area by the time a ground team was sent to investigate. Perhaps the imagery over time could be used to identify patterns of illegal logging to help predict areas that could be at risk in the future.

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,9,13,17,18

## **Chapter 2: Geography Concepts**

### **Exploration 2.1 Multiple Choice**

1. C

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3

2. A

Bloom's Taxonomy: Evaluation;

Geography Standard: 1,3

3. E

Bloom's Taxonomy: Analysis;

Geography Standard: 1,3

4. C

Bloom's Taxonomy: Analysis

Geography Standard: 1,3,4

5. C

Bloom's Taxonomy: Analysis

Geography Standard: 1,3,4

6. D

Bloom's Taxonomy: Analysis

Geography Standard: 1,3,4

7. E

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,9,12,18

8. C

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,6,9,10,11,12,18

9. E

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,6,9,10,11,12,18

### **Exploration 2.1 Short Essay**

1. Responses will vary for all short essay questions;

Sample Response: University: 34.7209, -92.3401. Home: 34.7652, -92.3228. There is a greater difference in the latitude values than the longitude values because my home is four miles north of the university, but only one half mile east of the university. The university's latitude value is lower because it is south of my home. The longitudinal value is higher for the university because it more western than my home's location.

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4

2. Sample Response: 1) Estimate the capacity for simultaneous fun at the amusement park by determining the number of attractions and estimating how many patrons could enjoy rides at the amusement park at a single moment in time. 2) Estimate how much coal is contained on the train snaking through the image by researching how much coal a typical coal car carries and counting the number of cars on the train. 3) Determine which structures are at risk from a flood if the river in the image were to rise 25 feet.

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,9,12,18

### **Exploration 2.2 Multiple Choice**

1. B

Bloom's Taxonomy: Knowledge

Geography Standard: 1,3,4,17,18

2. C

Bloom's Taxonomy: Evaluation;

Geography Standard: 1,3,4,18

3. B

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,18

4. D

Bloom's Taxonomy: Evaluation;

Geography Standard: 1,3,4,11,12,17,18

5. A

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,9,11,12,14,17,18

### **Exploration 2.2: Short Essay**

1. Sample Response: Changes in the physical and cultural landscape are ongoing. Google Earth™ merely provides us a snapshot in time. Some examples in the physical landscape include the removal of vegetation such as occurs with deforestation, meandering stream channels, and the results of hazards such as hurricanes and earthquakes. The cultural landscape often undergoes even more rapid change. Structures are built, modified, and torn down. Fields are converted to new residential neighborhoods, transportation infrastructure expands.

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,6,7,8,9,10,11,12,14,15,16,17,18

2. Sample Response: The level of urban development in the region has been moderate and is mainly expressed by the incremental expansion of some residential neighborhoods. Significant clearing and surface disturbance has occurred south of the near and south of the site B placemark. Otherwise, vegetation has been cleared to accommodate the expansion of residential zones and more noticeably, in association with an expansion of what appears to be the development of natural gas wells. Transportation infrastructure appears to be unchanged for the most part.

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,6,7,8,9,10,11,12,14,15,16,17,18

### **Exploration 2.3 Multiple Choice**

1. D

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,7,18

2. E

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,7,18

3. A

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,9,11,12,18

4. B

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,9,11,12,18

5. C

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,9,11,12,18

6. C

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,9,11,12,12,15,18

7. A

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,7,9,10,11,12,15,17

8. A

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,7,9,12,13,15,18

### **Short Essay 2.3**

1. Sample Response: I am evaluating the site/situation 3 placemark. In terms of tone, the manicured green lawn of the Presidential Palace stands out along with the multi-colored tarps of makeshift campsites set-up in the wake of the earthquake. The size of the Presidential Palace and surrounding government buildings dwarf the surrounding urban structures. The circular shape of the monuments and fountains stand out as does the symmetry of the Presidential Palace. The smooth texture of the palace lawn stands in contrast to the rough textures associated with the diverse urban landscape of Port-au-Prince. The pattern of the master-planned government zone stands in contrast to the haphazard road network of surrounding areas. The other large buildings and the monuments are associated with the Presidential Place as this is the heart of the Haitian government. Comparing the shadows of the structures with trees suggests that most of the buildings in the view do not exceed three or four stories. The fact that this government complex is located in the capital city is an example of site/situation.

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,7,8,9,10,11,12,14,15,18

2. Sample Response: I find site/situation and association to be the two most helpful elements of interpretation. When I am trying to determine what something is, the context is the most essential clue. One can zoom in to see that a road is a super-highway or a one-way alley. Zooming out informs us to the connectivity of that road in the larger transportation network.

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,7,8,9,10,11,12,14,15,18

### **Chapter Three: North America**

#### **Exploration 3.1 Multiple Choice**

1. D

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,11,14,15,16,18

2. D

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,7,14,16,18

3. C

Bloom's Taxonomy: Analysis

Geography Standard: 1,3,4,7,11,12,15,16,18

4. B

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,7,8,11,12,14,16,18

5. D

Bloom's Taxonomy: Analysis

Geography Standard: 1,3,4,10,11,12,14,16,18

#### **Short Essay 3.1**

1. Responses will vary for all short essay questions; Evaluation; 1,3,4,6,11,12,14,16,17,18

Sample Response: There is a clear progression between the 1974, 2004, and current Google Earth<sup>TM</sup> imagery. Not only does the expanse of cleared land expand, but so also does the local road infrastructure. One could delineate a grid that covers the mine site and then document how many cells are included in the active mine site at each interval. Analysis is complicated by the fact that several different imagery sets are associated with the mine site. However, these sets are dated, which provides conclusive evidence. The dates associated with these various images are 2005, 2006, 2008, and 2009 respectively.

2. Sample Response: Hydroelectric, with its large impoundment, the mountaintop removal and the tar sands operations have the largest areal footprints. However, the multitude of pin pricks associated with natural gas development has also visually impacted an extensive area. At least a lake can be visually appealing and offer recreational opportunities. Wind seems to have the most minimal environmental impact of the types explored. However, there can be drawbacks to wind development, most notably adverse impacts on avian wildlife.

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,6,7,10,11,12,14,16,18

### **Exploration 3.2 Multiple Choice**

1. D

Bloom's Taxonomy: Application

Geography Standard: 1,3,4,9,10,11,12,14,18

2. D

Bloom's Taxonomy: Synthesis

Geography Standard: 1,3,4, 9,10,11,18

3. C

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,6,9,10,12,14,15,18

4. A

Bloom's Taxonomy: Analysis

Geography Standard: 1,3,4,10,12,14,18

5. C

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,9,10,12,14,17

### **Short Essay 3.2**

1. Sample Response: First, there is a much more extensive distribution of high-rise buildings. These appear to be both commercial and residential properties. OKC, on the other hand, has only a few high-rise buildings in the heart of the central business district. Second, the built environment of OKC is much more spread out than its Asian counterpart. There are large lawns around many homes and many areas of open space. Third, the transportation infrastructure for automobiles in Oklahoma City appears to be more extensive than what is seen in Tokyo. This suggests that an underground mass transit system carries much of the transport load in Tokyo.

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,5,6,9,10,12,14,18

2. Sample Response: These are large single, family homes that have been constructed in areas that appear to be former agricultural lands. A few fields remain interspersed between the budding residential developments. A geometric grid of feeder streets leads to commercial developments found at one mile intervals. The homes are situated in cul-de-sacs on large lots. The importance of the automobile is further demonstrated by the number of houses that have three-car garages.

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,5,6,9,10,12,14,18

### **Exploration 3.3 Multiple Choice**

1. B

Bloom's Taxonomy: Analysis

Geography Standard: 1,3,4,10,11,12,18

2. D

Bloom's Taxonomy: Knowledge

Geography Standard: 1,3,4,9,10,11,12

3. A

Bloom's Taxonomy: Analysis

Geography Standard: 1,3,4,9,10,11,12,18

4. A

Bloom's Taxonomy: Application

Geography Standard: 1,3,4,6,9,10,11,12,18

5. A

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,10,12

### **Exploration 3.3 Short Essay**

1. Evaluation; 1,3,4,6,9,10,12

Sample Response: The overriding factor of the transition to lifestyle centers is convenience. It's much quicker to park in front of or near the store you are visiting than in a peripheral lot. Many people do not want to trudge across a large hot parking lot to be overwhelmed by a crowded mall. It allows people to be more private and more efficient. Additionally, the relative smaller size of the lifestyle centers facilitates

their development in and around desirable (very affluent) neighborhoods. Access to mass transit is not essential, because most patrons of these high-end shops will utilize their own transportation to reach these sites.

2. Sample Response: Building A – Pentagon; Building B – Boeing Everett Factory; Building C – Vehicle Assembly Building, JFK Space Center; Building D – Staples Center; Building E – Gateway Arch.

Floor space rankings: A, B, C, D, E

Volume rankings: B, C, A, D, E

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,12

### **Exploration 3.4 Multiple Choice**

1. C

Bloom's Taxonomy: Analysis

Geography Standard: 1,3,4,10,11,13,18

2. A

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,10,12,13,14,18

3. C

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,10,12,13,14,15,18

4. B

Bloom's Taxonomy: Knowledge

Geography Standard: 1,3,4,9,10,13,18

5. D

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,9,10,13,18

### **3.4 Short Essay**

1. Sample Response: The top five were Iraq, Afghanistan, Germany, Japan, and South Korea. Iraq and Afghanistan are home to ongoing conflicts, while troops found in the other countries are the legacy of previous conflicts. Germany and Japan are tied to WWII while South Korea is tied to the Korean War.

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,9,10,13,18

2. Sample Response: The military developments considered in this exploration have had profound impacts on the physical environments of their immediate surroundings. Perhaps most dramatically, the Norfolk Naval Station has completely and totally remade the Norfolk coastline. Every inch of the coastline here is manufactured with little room for natural biota. The tank training grounds at Fort Hood also have impacted the surface of the planet. There are numerous eroded tracks crossing the Texas ground. While Fort Benning's environmental impact seems less than the aforementioned sites, it too has influenced the surrounding area. Commercial and residential development in the city of Columbus Georgia is fueled by the nearby base.

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,5,9,10,11,12,12,14,18

### **Exploration 3.5 Multiple Choice**

1. C

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,7,8,10,11,12,13,14,15,16,18

2. D

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,8,10,11,12,13,16,18

3. C

Bloom's Taxonomy: Analysis

Geography Standard: 1,3,4,11,12,13,14,18

4. B

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,6,11,12,14,16,18

5. A

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,9,10,11,12,13,14,16,18

### **Exploration 3.5 Short Essay**

1. Sample Response: 1) There are more light industrial buildings in the US. Perhaps these are taking advantage of inexpensive materials coming across the border. 2) The buildings on the Mexico side of the border appear less maintained. This can be verified by utilizing Street View and Panoramio Photos. 3) Crosswalks in the US are delineated by parallel white lines. In Mexico they are marked by a series of diagonal or horizontal yellow lines. This is just a reflection of different traffic safety codes.

Bloom's Taxonomy: Evaluation

Geography Standard: 1,2,3,4,9,10,11,12,13,14,16,18

2. Sample Response: At 26.557 latitude, -80.664 longitude, the extensive sugarcane fields of southern Florida can be seen. These fields have had an enormous impact on the economy and environment of Florida. This tropical grass from Asia was brought to the region by Columbus to produce white sugar. Today sugarcane is grown on more than 400,000 acres in south Florida and produces more than half a billion dollars of sugar annually. The chemicals and fertilizers used to grow this crop have had a detrimental impact on Florida's ecosystems such as the Everglades.

Bloom's Taxonomy: Evaluation

Geography Standard: 1,2,3,4,9,10,11,12,13,14,16,18

## **Chapter 4: Latin America**

### **Exploration 4.1 Multiple Choice**

1. C

Bloom's Taxonomy: Analysis

Geography Standard: 1,4,9,12,14

2. A

Bloom's Taxonomy: Application;

Geography Standard: 1,4,8,12,14,16

3. E

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,9,11,14,16

4. E

Bloom's Taxonomy: Comprehension

Geography Standard: 1,3,4,12,14,16,18

5. C

Bloom's Taxonomy: Comprehension;

Geography Standard: 1,3,4,5,8,14,16,18

### **Exploration 4.1 Short Essay**

1. Responses will vary for all short essay questions;

Sample Response: In general, deforestation in Latin America continued to occur across the region during the study period. The rates of deforestation were generally lower than what was taking place in much of

Africa and Southeast Asia at the time. The country that most notably bucks the trend of deforestation was Uruguay. Uruguay is and has been primarily a grassy country. However, there have been recent efforts to plant more trees to stem erosion in watershed areas.

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,5,12,14,16,17,18

2. Application; 1,3,4,6,9,11,14,16,18

Sample Response: Analysis of forest reserves should proceed not only on the basis of national perspectives, but also should include the concept of ecosystem management. As forests do not heed national boundaries, it is important to look at "big picture" management. Thus, intergovernmental panels should determine and enforce policies regarding sustainable harvesting of forest resources. There are new and growing opportunities to generate credit from forests that remain intact such as ecotourism and more significantly, selling carbon credits.

#### **Exploration 4.2 Multiple Choice**

1. B

Bloom's Taxonomy: Analysis

Geography Standard: 1,3,4,9,12

2. C

Bloom's Taxonomy: Analysis

Geography Standard: 1,3,4,5,9,12

3. B

Bloom's Taxonomy: Analysis

Geography Standard: 1,3,4,6,9,14,18

4. C

Bloom's Taxonomy: Knowledge

Geography Standard: 1,3,4,9

5. E

Bloom's Taxonomy: Analysis

Geography Standard: 1,3,4,6,9,10,12

#### **Exploration 4.2 Short Essay**

1. Sample Response: Brasilia seems to be a city filled with symbolic monuments and carefully planned infrastructure. This is readily apparent from the aerial view of the city where one can see the bird-shaped

layout of the city center. Additionally, the government buildings all have a futuristic theme with many of the building employing sweeping curves and white facades. There also seems to be a high degree of functional zonation to the city as evidenced by distinct residential, commercial, and industrial sectors.

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,6,9,12,17,18

2. Sample Response: The most notable difference between Mexico City and Little Rock is the sheer size of the cities. Mexico City stretches more than 70 kilometers in the north south direction while its east-west axis is more than 30 kilometers. By comparison, Little Rock is approximately 10km by 15km. Both cities have significant topographic barriers hindering their development. In the case of Mexico City, there are large mountains that hem the city in to the east and west. As for Little Rock, there are rugged hills to the west and the Arkansas River to the east. While there are large boulevards that can be seen throughout Mexico City, the Interstate Highways present in the much smaller city of Little Rock seem to have a disproportionate spatial signature as the city seems organized around these large roads.

Bloom's Taxonomy: Analysis

Geography Standard: 1,3,4,6,7,9,12,15,18

#### **Exploration 4. 3 Multiple Choice**

1. C

Bloom's Taxonomy: Knowledge;

Geography Standard: 1,3,4,12,15

2. E

Bloom's Taxonomy: Application

Geography Standard: 1,3,4,6,12

3. E

Bloom's Taxonomy: Analysis

Geography Standard: 1,3,4,11,12,18

4. D

Bloom's Taxonomy: Application

Geography Standard: 1,3,4,7,15

5. E

Bloom's Taxonomy: Comprehension

Geography Standard: 1,4,5,6,9,10

### **Exploration 4.3: Short Essay**

1. Sample Response: The relationship between language and geography in Latin America is strong. In summary, the more remote a location, the more likely it has maintained indigenous languages.

Remoteness is tied to lack of transportation access. This is usually the result of one of two major barriers: dense forests associated with the great river basins of the region and rugged topography. The Amazon Basin and the Andes Mountains are the two best examples of this phenomenon.

Bloom's Taxonomy: Comprehension

Geography Standard: 1,4,5,6,9,10

2. Sample Response: Chichen Itza was a focal point of Mayan civilization. It is located on the Yucatan Peninsula at approximately 20.682 N, 88.568 W. The site predates European presence in the region by nearly 1000 years. It is home to a series of remarkable architectural and religious features such as pyramids. The site's water management system using cenotes or cisterns is also a noteworthy element.

Bloom's Taxonomy: Synthesis

Geography Standard: 1,3,4,6,9,10,11,12,14

### **Exploration 4.4 Multiple Choice**

1. A

Bloom's Taxonomy: Comprehension

Geography Standard: 1,3,4,8,11,12,14,16,18

2. D

Bloom's Taxonomy: Knowledge

Geography Standard: 1,3,4,9,12,17

3. D

Bloom's Taxonomy: Comprehension

Geography Standard: 1,3,4,7,9,12,17

4. C

Bloom's Taxonomy: Knowledge;

Geography Standard: 1,3,11,13

5. C

Bloom's Taxonomy: Knowledge

Geography Standard: 1,3,4,6,9,10,13,18

### **Short Essay 4.4**

1. Sample Response: Based on the physical geography characteristics alone, the leading candidates are

Colombia, Peru, Bolivia, and Ecuador. There are some isolated areas in the Central American countries and Mexico that also have the required geography. The less developed countries and particularly those with economies based on non-industrial agriculture are more prone to significant degrees of coca cultivation. Again, Bolivia, Peru, and Colombia are leading contenders. Additional information that can be analyzed for likely locations of coca fields include the degree of organized crime in areas combined with the presence or dearth of national law enforcement. Proximity to drug transport corridors is yet another valid consideration.

Bloom's Taxonomy: Synthesis

Geography Standard: 1,3,4,5,7,13,16,18

2. Sample Response: Over the long term, freedom in Latin America has improved dramatically. Chile is a prime example as it has moved from a military-based dictatorship to a transparent democracy. Over the last several decades there have been big improvements in countries like Brazil and Uruguay. However, there is room for significant improvement and many countries in the region have backslid to a degree in the last several years. In some cases, this is the result of socialist governments placing restrictions on free trade and commerce. The most egregious abuser of freedom in the region right now is Venezuela's Hugo Chavez. He has continued to tighten his control over the country to help secure his place in power. Other threats to freedom in the region include the growing drug violence in Mexico that has forced the government to take aggressive actions.

Bloom's Taxonomy: Analysis

Geography Standard: 1,3,4,5,6,10,13

#### **Exploration 4.5 Multiple Choice**

1. C

Bloom's Taxonomy: Knowledge

Geography Standard: 1,3,4,7,9,11,12,13,14,16,18

2. A

Bloom's Taxonomy: Knowledge

Geography Standard: 1,3,4,11,12,13,14,16,18

3. E

Bloom's Taxonomy: Analysis

Geography Standard: 1,3,9,11,12,14

4. A

Bloom's Taxonomy: Comprehension

Geography Standard: 1,3,9,10,11,12,12,14,18

5. C

Bloom's Taxonomy: Application;

Geography Standard: 1,3

#### **Short Essay 4.5**

1. Sample Response: Through the canal, the distance is approximately 9,500 kilometers. If you go around Cape Horn, it is closer to 24,000 kilometers, for a difference of 14,500 kilometers. If my goods were on a Panamax vessel, I could rent two smaller ships and split the load so it could go through the canal. This would require the labor of unloading and loading the ships plus the added expenditures of hiring two ships while my ship set idle. Additionally, I could ship them by long-haul trailer or train across the United States. This would require breaking the load up into many small components. This tremendous expenditure on labor would probably disqualify this option. It would probably be best to just spend the money on the additional fuel and ship it around Cape Horn.

Bloom's Taxonomy: Evaluation

Geography Standard: 1,2,3,4,9,11,12,13,16,18

2. Sample Response: I do not support completing the Pan-American Highway through the Darién Gap. While economic benefit could be gained from completing the highway, some things do not have a price-tag, such as the ecological diversity found in the Darién Gap. I also question how much demand there is to move goods by highway from Colombia to Panama. It seems that most transport would continue to occur by sea. On the other hand, the economies of Panama and Colombia could benefit from a completed link. I suspect there would be many tourists that would like to drive the entire length of the highway from Alaska to Argentina.

Bloom's Taxonomy: Evaluation

Geography Standard: 1,2,3,4,8,9,10,11,12,13,14,16,18

## **Chapter 5: Caribbean**

### **Exploration 5.1 Multiple Choice**

1. E

Bloom's Taxonomy: Evaluation;

Geography Standard: 1,3,4,7,15,17,18

2. E

Bloom's Taxonomy: Evaluation;

Geography Standard: 1,3,4,7,9,12,15,17,18

3. A;

Bloom's Taxonomy: Analysis

Geography Standard: 1,3,4,7,9,12,15,17,18

4. B;

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,7,9,12,15,18

### **Exploration 5.1 Short Essay**

1. Responses will vary for all short essay questions.

Sample Response: In short, the problem in Haiti was the lack of development. Haiti has been one of the poorest countries in the western hemisphere for many decades. It has faced constant political instability and the near total depletion of its natural resources. As a result, critical infrastructure that relies on good governance such as emergency response was severely lacking. There also was a great lack of code enforcement. As a result buildings were built cheaply and poorly and collapsed during the earthquake. The poor utilities infrastructure also collapsed. All of these factors conspired to create the devastation we witnessed.

Bloom's Taxonomy: Evaluation

Geography Standards: 1,3,4,6,7,9,11,12,13,15,18

2. Sample Response: The region is home to numerous hurricanes on an annual basis because it is located in an area that is very favorable for their development. There is lots of warm, open water where the storms can develop and strengthen. The region is disproportionately affected because the storms are at their greatest strength here with the warm water, lack of friction from landmasses, and lack of mid-latitude anticyclones and cyclones to interfere with their development. Additionally, the islands are often low-lying. The worst damage from hurricanes is often caused by the flooding generated by storm surges.

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,6,7,9,11,12,13,15,18

### **Exploration 5.2 Multiple Choice**

1. B

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,6,9,11,12,18

2. C

Bloom's Taxonomy: Evaluation;

Geography Standard: 1,3,4,6,9,10,11,12,18

3. D

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,6,9,10,11,12,18

4. E

Bloom's Taxonomy: Analysis

Geography Standard: 1,3,4,6,12,16,17,18

5. C

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,6,9,10,11,12,16,18

### **Exploration 5.2 Short Essay**

1. Sample Response: The lack of traffic in Havana is tied most strongly to the US led trade embargo of Cuba. Since 1962, the embargo has been in effect. It is the longest running trade embargo in the world and has led to severe limitations for US businesses that seek to trade with Cuba. As a result, many products such as automobiles have not come into the country in adequate numbers to meet demand. Therefore, the vehicles that are found in Cuba are disproportionately of pre-1960's manufacture. Additional reasons for the lack of traffic can relate to the ending of fuel subsidies from the former Soviet Union that have caused severe inflation of fuel prices as well as government restrictions on owning private automobiles.

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,6,9,10,11,12,13,17,18

2. Sample Response: The images make me want to visit Havana more. As someone who is opposed to the

“geography of nowhere” the unique cultural landscape appeals to me. The lack of rampant consumerism is appealing as is the limited traffic congestion. The architecture of the buildings is interesting, as well. Less desirable facets include the prevalence of trash on some streets, the dearth of taxi cabs, and the seemingly higher rates of poverty.

Bloom’s Taxonomy: Evaluation

Geography Standard: 1,2,3,4,6,9,10,11,12,12,14,17,18

### **Exploration 5.3 Multiple Choice**

1. B

Bloom’s Taxonomy: Knowledge;

Geography Standard: 1,4,6,9,10,13

2. D

Bloom’s Taxonomy: Analysis

Geography Standard: 1,4,6,9,10,11,12,14,17,18

3. C

Bloom’s Taxonomy: Evaluation

Geography Standard: 1,3,4,10,11,12,16

4. A

Bloom’s Taxonomy: Analysis

Geography Standard: 1,3,4,6,9,10,12,13,17

5. E

Bloom’s Taxonomy: Evaluation

Geography Standard: 1,3,4,6,9,10,12,13,17,18

### **Exploration 5.3 Short Essay**

1. Sample Response: The Spanish were the first major players in the Caribbean, beginning in the late 15<sup>th</sup> century. The diseases they brought caused a severe reduction in the indigenous populations, thus opening the way for other European powers. The English arrived in the late 16<sup>th</sup> century, followed shortly by the French, Dutch, and to a much lesser degree the Danish. Formal relations between colonial powers still exist with the British, Dutch, and French. The historical impact of European colonialism cannot be overstated as a new agricultural export economy based on slave labor from Africa was established in the region.

Bloom’s Taxonomy: Comprehension

Geography Standard: 1,4,5,6,9,10

2. Sample Response: The Pitons is an area of rich biological diversity in a volcanically active environment. On Dominica, the Morne Trois Pitons National Park is recognized for its unique volcanic landscape with five active volcanoes combining with a rich assemblage of plants and animals. Humboldt National Park in Cuba has complex geology and varied topography that lead to one of the most biologically diverse landscapes on Earth. Desembarco del Granma National Park is recognized for its Karst topography. It has numerous coastal features such as marine terraces and cliffs.

Bloom's Taxonomy: Synthesis

Geography Standard: 1,3,4,6,9,10,11,12,14

### **Exploration 5. 4 Multiple Choice**

1. C

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,12,14,17,18

2. E

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,7,12,13,14,15,17,18

3. C

Bloom's Taxonomy: Comprehension

Geography Standard: 1,3,4,13,17,18

4. D

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,11,13

5. E

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,11,12,13,14,15,18

### **Exploration 5.4 Short Essay**

1. Sample Response: In 1961, the CIA helped with the Bay of Pigs invasion in Cuba. This endeavor was a disaster as US trained Cuban dissidents under US air cover attempted to invade the island. The invaders were quickly defeated. Just a year later the US was involved in Cuba again, this time with the Cuban Missile Crisis. The US was concerned about Missile bases being built by the USSR in Cuba. The US set-up a naval blockade in international waters to keep offensive weapons from entering Cuba. The US invaded Panama 1989 to remove the dictator Manuel Noriega from power. The US was concerned about

the Panama Canal remaining a neutral thoroughfare for shipping. Most recently, the US utilized military troops to help respond to the earthquake crisis in Haiti in 2010. More than 20,000 troops helped evacuate the injured, and provide the basic needs of food, water and shelter to the citizens of Haiti.

Bloom's Taxonomy: Synthesis

Geography Standard: 1,3,4,5,7,13,16,18

2. Sample Response: The European Space Agency's spaceport is located in French Guiana, an overseas department of France. The site was selected in 1964 as the location to launch satellites. It is an ideal location because it is located at 5° north latitude. This low latitude makes it easier to get satellites into geostationary orbit. French Guiana's low population density also makes it an ideal location. Additionally, French Guiana is not prone to hurricane activity or earthquakes.

Bloom's Taxonomy: Analysis

Geography Standard: 1,3,4,5,6,10,13

### **Exploration 5.5 Multiple Choice**

1. B

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,6,8,11,14,18

2. A

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,11,18

3. E;

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,6,10,11,12,13,14,16,18

4. C

Bloom's Taxonomy: Knowledge

Geography Standard: 1,3,4,11,14

5. A

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,5,6,7,8,12,14,15,18

### **Exploration 5.5 Short Essay**

1.

Sample Response: Many of the harbors contain personal pleasure craft. These sailboats and yachts

contribute to the local economies by fees paid for slip rentals as well as supplies and services purchased in the respective ports. The second type of ship that is evident is the oil tanker. Most Caribbean countries must import most of their energy, so these ships are necessary. The third type of ship is the container ship. Again, the region has to import many of the goods necessary for everyday life because of the limited manufacturing capacity of the region.

Bloom's Taxonomy: Evaluation

Geography Standard: 1,2,3,4,9,11,12,13,16,18

2. Sample Response: Agricultural exports are waning in the region for two reasons: increased globalization and conversion of agricultural lands to resorts. First, an increasingly globalized world has led to the development of better transportation technologies that can deliver fresh fruit and vegetables to the US in a manner of hours. Thus the Caribbean has lost its competitive advantage provided by location. Improved agricultural technologies have also allowed certain producers to produce larger and more aesthetically pleasing fruits outside the region. As is the case in many parts of the world, prime agricultural lands continue to be lost to development. As urban areas sprawl, they consume these lands that were once part of the communities' agricultural hinterlands. In this region, the development of larger resorts has contributed to this phenomenon.

Bloom's Taxonomy: Evaluation

Geography Standard: 1,2,3,4,8,9,10,11,12,13,14,16,18

## **Chapter 6: Sub-Saharan Africa**

### **Exploration 6.1 Multiple Choice**

1. D

Bloom's Taxonomy: Evaluation

Geography Standards: 1,3,4,9,11,12,14,15,16,18

2. E

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,9,11,12,14,15,16,18

3. D

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,9,11,12,14,15,16,18

4. D

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,7,14,15,16,17,18

5. A

Bloom's Taxonomy: Comprehension

Geography Standard: 1,3,4,7,9,12,15,17,18

### **Exploration 6.1 Short Essay**

1. Responses will vary for all short essay questions;

Sample Response: The most obvious evidence of changing lake levels contained in this image are the dead trees that can be spotted in the water. It appears that the water level has recently risen and drowned these trees. They are most likely dead because most trees at this low-latitude location would be evergreen (unless they have a seasonal leaf-fall tied to the dry season). The second line of evidence is related to the varied concentric rings of exposed soil and vegetation around the perimeter of the islands. These rings suggest that decreases in water level occur with some regularity, at which point grasses begin to be established.

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,7,8,17,18

2. Sample Response: Niger, Chad, Nigeria, and Cameroon contain or have contained portions of Lake Chad. Potentially, one country could draft so much water from Lake Chad that the levels and subsequent access for other countries could be adversely affected. The countries could devise a Lake Chad compact

that would create systems for monitoring withdrawals and apportioning water rights among them.

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,7,8,11,13,15,16,18

### **Exploration 6.2 Multiple Choice**

1. C

Bloom's Taxonomy: Evaluation;

Geography Standard: 1,3,4,9,17

2. B

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,9,17

3. E

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,5,9,10,18

4. D

Bloom's Taxonomy: Analysis

Geography Standard: 1,3,4,5,9,10,18

5. A

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,6,9,10,11,12,18

### **Exploration 6.2 Short Essay**

1. Sample Response: Shopping at the Oshodi Market seems like a less formal experience than what I am accustomed to in the United States. Some cultural differences that stand out include the crowds that are present. It appears that personal space may not be as highly valued in this setting. It also appears that the primary mode of transportation to and from the market is taxi van. By contrast, the dominant mode of getting to and from a typical mall in the US is to drive a personal vehicle and park it in a large lot surrounding the mall or big-box store. Items available are much more standardized and are sold at national or regional chains, so you could purchase the identical item at a mall several hundred miles away.

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,6,9,10,11,12,13,18

2. Sample Response: The first feature I noticed are the open sewers. These present a health hazard for

residents of the city as well as creating an unpleasant smell in the area. The second aspect I noticed is the lack of traffic control devices. Neither traffic lights nor stop signs are evident. This creates a risk for drivers and pedestrians in the area. The third and most glaring factor is the grossly overloaded electrical pole. This looks very unsafe as it appears that numerous “customers” have tapped into the electric lines. This probably explains the presence of a generator on the porch of the internet café as the electrical system would be subject to periodic outages.

Bloom’s Taxonomy: Evaluation

Geography Standard: 1,3,4,6,9,10,11,12,18

### **Exploration 6.3 Multiple Choice**

1. E

Bloom’s Taxonomy: Comprehension

Geography Standard: 1,3,4,6,9,10,17,18

2. D

Bloom’s Taxonomy: Analysis

Geography Standard: 1,4,6,9,10,11,12,14,17,18

3. A

Bloom’s Taxonomy: Evaluation

Geography Standard: 1,3,4,9,10,17

4. C

Bloom’s Taxonomy: Comprehension

Geography Standard: 1,3,4,10,12,15,18

5. B;

Bloom’s Taxonomy: Evaluation;

Geography Standard: 1,4,6,10,12,18

### **Exploration 6. 3 Short Essay**

1. Sample Response: As expected, the religious landscape of Ifa is much more subdued than a typical Christian or Muslim religious landscape. For one, a religious tradition based on natural elements would be less likely to build grand monuments that often honor the human component of religion like the authority of the church. Furthermore, since these animist traditions do not have international organizational bodies to the degree that the larger monotheistic traditions do, they are unable to draw on resources to construct ornate places of worship.

Bloom’s Taxonomy: Evaluation

Geography Standard: 1,3,4,10,12,15,18

2. Sample Response: The location most associated with Judaism is Israel, while Hinduism is most strongly associated with India. Within Africa, South Africa has the most diverse religious landscape owing to its diverse colonial history and subsequent industrialization. This nation has the largest South Asian population on the continent as well as the largest Jewish contingent.

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,5,6,9,10,12,13,17,18

### **Exploration 6.4 Multiple Choice**

1. D

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,9,10,12,12,17,18

2. E

Bloom's Taxonomy: Comprehension

Geography Standard: 1,3,4,5,9,10,12,12,18

3. E

Bloom's Taxonomy: Comprehension

Geography Standards: 4,6,13

4. D

Bloom's Taxonomy: Synthesis

Geography Standard: 1,3,4,9,10,12,12,18

5. E

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,8,15,18

### **Exploration 6.4 Short Essay**

1. Sample Response: The US response to Darfur has been based on three complementary policies. The first priority is supporting the protection of civilians by the joint UN-African Union Peacekeeping Mission. The second priority is an ongoing cease fire combined with greater protection for humanitarian aid workers. The third is a permanent political settlement for the region. Personally, I feel the US should do more. I believe that economic sanctions against the Sudanese government should be as severe as possible, including freezing the assets of

individuals and companies in the US with ties to the current regime. I would also like to see the US leverage its diplomatic standing to encourage China to pressure the Sudanese.

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,6,9,10,12,12,17,18

2. Sample Response: UN Peacekeepers are expanding their presence in the region. Long-range patrols were completed for the first time in June 2010. This does not mean that the situation has stabilized. In fact, UN aid workers continue to be targeted by militants, with kidnappings common. As a result some aid organizations have recently pulled out of the region. Some janjaweed leaders have started to be held accountable for their actions at the International Criminal Court in The Hague. There is still a long way to go for the conflict that has left more than 300,000 dead and 2.2 million displaced.

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,6,9,10,12,12,17,18

### **Exploration 6.5 Multiple Choice**

1. B

Bloom's Taxonomy: Knowledge

Geography Standard: 1,4,7,11,14,16,18

2. A

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,11,13,14,16,18

3. C

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,6,7,11,14,15,16,17,18

4. E

Bloom's Taxonomy: Evaluation

Geography Standard: 1,3,4,5,9,18

5. D

Bloom's Taxonomy: Evaluation;

Geography Standard: 1,3,4,5,6,7,8,12,14,15,18

### **Exploration 6.5 Short Essay**

1. Sample Response: Sub-Saharan Africa's overall economic performance through the global economic downturn has been surprisingly strong. The downturn was not as severe there because the region is not

linked as tightly to global markets as most regions. The region has generally been experiencing its first period of sustained growth over the last decade and this does not seem to have abated. Hosting the World Cup of 2010 has benefited the region, spurring further growth in the service sector in South Africa. A trend toward decreasing civil conflict has allowed mineral extraction to expand in the region in recent years. Things are definitely looking up for Sub-Saharan Africa despite the ongoing environmental challenges that are faced by the region in the form of climatic variability and poor agricultural soils.

Bloom's Taxonomy: Evaluation

Geography Standard: 1,2,3,4,5,11,12,16,17,18

2. Sample Response: The combination of a young population with a highly HIV-infected population can be devastating for a state's economic development. The young population is dependent upon their caregivers for the necessities of life, such as food and shelter. In a state with a HIV infection rate there is a high-level of mortality in the segments of the population that should be caring for youth. Subsequently, we end up with a very high number of orphaned children. This places great strain on community and state resources. In poorer countries the necessary services simply cannot be provided. These young people without caregivers can end up undereducated, unemployed, and angry. This is a recipe for civil unrest. The far southern countries of the region have been most affected by this problem. Fortunately, non-governmental organizations and the United Nations have provided some aid to better the situation. The best programs, in my opinion, start at the root of the problem and focus on education to slow the growth of HIV/AIDS in the region.

Bloom's Taxonomy: Evaluation

Geography Standard: 1,2,3,4,5,11,12,16,18

## **Chapter 7: Southwest Asia and North Africa**

### **Exploration 7.1 Multiple Choice**

1. E

Bloom's Taxonomy: Application/Analysis

Geography Standard: 1,3,4,7,11,12,14,15,16,18

2. A

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,7,8,9,11,12,13,14,15,16,18

3. C

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,7,9,11,12,14,15,16,18

4. B

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,7,9,11,12,14,15,16,18

5. D

Bloom's Taxonomy: Knowledge/Comprehension

Geography Standard: 1,3,4,7,9,12,15,17,18

### **Exploration 7.1 Short Essay**

1. Responses will vary for all short essay questions;

Sample Response: The most comparable feature is the combined hydrologic systems of the Euphrates and Tigris Rivers. These are long rivers that provide water for irrigated agriculture across arid and semi-arid landscapes. Like the Nile, these rivers have been dammed. The Ataturk Dam in Turkey impounds the Euphrates and is the largest dam in the system, creating Lake Ataturk. Several thousand years ago, the region was more agricultural productive before widespread soil erosion diminished the agricultural capacity of the region. Nonetheless, one can see the green areas along the margins of the river where fields make use of the aquatic resources.

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,6,7,9,10,11,12,14,15,16,18

2. Sample Response: In general, I support the GMMR. Water is the key resource that is lacking in the region and I don't think that this resource should be held in check just because it was created in a previous era under different conditions. The key is to manage the resource in a way that will extend the lifetime of

the resource as much as possible. It can help make the region more self-sufficient. It can also add to political stability and economic development. On the downside, it's always good to hold some resources back for a "rainy day." Libya's aggressive use of the water does not suggest that this is part of their philosophy.

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,6,7,9,10,11,12,14,15,16,18

### **Exploration 7.2 Multiple Choice**

1. E

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,9,10,12,18

2. D

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,9,10,11,12,14,17

3. C

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,5,6,9,10,12,18

4. B

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,7,8,9,11,12,14,15,16,18

5. A

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,5,6,9,10,17,18

### **Exploration 7.2 Short Essay**

1. Sample Response: Gaza and Bahrain are strikingly different. This is most apparent in the urban form. Whereas, the urban areas of Gaza are very densely populated and do not exhibit a high level of planning, the cities of Bahrain are neatly organized and not as crowded. Much can be gleaned from looking at the Panoramio Photos. The level of cleanliness of Bahrain really stands out. The streets are not littered with refuse as they are in Gaza. This combined with the overall better condition of roads and building stock in Bahrain suggests that it is a much more affluent location than Gaza.

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,6,9,10,11,12,13,18

2. Sample Response: Iran and Kuwait are the two countries I have selected to compare. Beginning with adult literacy rates, both countries have seen dramatic improvements over the study period with Kuwait going from 67.5% to nearly universal literacy (95%). Iran has improved from only 36% literacy in 1980 to more than 82% in 2007. This bodes well for continued economic progress in the region. The second variable was life expectancy. Here Iran improved from 58 to 71 years and Kuwait moved from 70 to 77. Kuwait did not improve as much, but it is more difficult to gain years on life expectancy as the average moves higher. The final variable was gender equity in education. Kuwait has hovered around 70%, whereas Iran's gains are more significant from 47% to 73%. Until these numbers reach 100%, this will represent a significant handicap on the region's development.

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,5,6,9,10,17,18

### **Exploration 7.3 Multiple Choice**

1. B

Geography Standard: Knowledge/Comprehension;

Geography Standard: 1,4,6,10

2. A

Bloom's Taxonomy: Application/Analysis

Geography Standard: 1,3,4,6,10,13,17,18

3. D

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,6,10,13,17,18

4. E

Bloom's Taxonomy: Knowledge/Comprehension

Geography Standard: 1,4,6,10

5. A

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,6,9,10,12,14,18

### **Exploration 7.3 Short Essay**

1. Sample Response: The three things that stand out the most are the daggers of the men, the coverings of the women, and the folk architecture of the built environment. The daggers, known locally as jambiyas, are worn by men over the age of 14 and are only unsheathed in extreme circumstances. The abayas cover many women who live on the Arabian Peninsula. The custom dates back to pre-Islamic times, but has

been embraced as a way of demonstrating adherence to the Muslim faith. The final element is the earth architecture that makes extensive use of local resources. The element that stands out as most similar to me was the toilet bowl brush that can be seen amongst the goods for sale in the first image. As different as many elements are in the image that same brush, likely manufactured in China sits in my bathroom as well as those in Yemen.

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,2,3,4,6,9,10,12,18

2. Sample Response: Unquestionably, I feel that the complex geography of Jerusalem presents many more opportunities for conflict than common ground. Simply put, there are numerous parties with the highest levels of vested interests in the sacred ground of the city. Because Jerusalem has been so critical to the myriad versions of the big three monotheistic traditions for so long, there are layers upon layers of claimed ground. Like peeling an onion, each successive sheet can and is claimed by different parties. When one considers that many of the people involved are completely irrational, the prospects for a shiny, happy future seem slim.

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,5,6,9,10,12,13,17,18

### **Exploration 7. 4 Multiple Choice**

1. B

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,12,13,14,17,18

2. A

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,12,13,17,18

3. B

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,12,13,14,17,18

4. E

Bloom's Taxonomy: Application/Analysis

Geography Standard: 1,3,11,12,12,14,15,16,17,18

5. E

Bloom's Taxonomy: Application/Analysis

Geography Standard: 1,3,11,13,18

### **Exploration 7.4 Short Essay**

1. Sample Response: The construction of Camp Liberty is the primary transition that occurs between 2002 and 2004 in the area northeast of the airport. This camp is the largest overseas post built since the Vietnam War. The base is four kilometers by two kilometers and consists of hundreds of structures along with vehicles and other support equipment. Prior to the US invasion, the area appeared to be used primarily for agricultural purposes.

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,6,9,10,12,12,17,18

2. Sample Response: The Operation Orchard site, home of an alleged Syrian nuclear reactor, was tucked in a remote canyon. This non-descript location was destroyed in 2007 by Israeli bombs. The Operation Opera Site in Baghdad emphasizes fortifications with large berms protecting the former research areas. The site was so fortified that it took more 100 US air missions to severely degrade the site in the first Gulf War. The Natanz site in Iran appears to have miles of perimeter fencing and lighting. It too is located in a remote location.

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,6,9,11,13,14,18

### **Exploration 7.5 Multiple Choice**

1. C

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,9,11,12,14,16,18

2. A

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,11,13,14,16,18

3. E

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,9,11,13,14,15,18

4. E

Bloom's Taxonomy: Application/Analysis

Geography Standard: 1,3,4,9,12,18

5. C

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,6,9,11,12,14,18

### **Exploration 7.5 Short Essay**

1. Sample Response: Like most things in this world, it is not an either or proposition. Because hydrocarbons provide a disproportionate percentage of many countries gross domestic income, it would seem that the response is a resounding blessing. However, this has led to one dimensional, under developed economies. It also has allowed many undemocratic regimes to remain in power through assistance from countries dependent upon these resources, such as the United States. In cases, where there is limited oil, such as the UAE, vibrant service-based economies have arisen.

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,5,6,7,11,13,15,16,17,18

2. Sample Response: Most of the content of The World development does not appeal to my personal value system. For example, they suggest that owning your own island paradise is how you can stand out in today's society. Repeated use of terms like status and prestige suggest that potential residents are people who need to have these elements of their existence confirmed. While the developers promote the "green" aspects of the project, there is no data presented that verifies these claims. It's very difficult to imagine that there have not been significant adverse environmental impacts with a disruption of the coastal environment on this scale.

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,6,9,11,12,14,18

## **Chapter 8 Europe**

### **Exploration 8.1 Multiple Choice**

1. C

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,7,9,11,12,13,14,15,18

2. C

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,7,9,11,12,13,14,15,17,18

3. B

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,7,9,11,12,14,15,16,18

4. E

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,11,12,14,15,16,17,18

5. A

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,7,11,16,18

### **Exploration 8.1 Short Essay**

1. Responses will vary for all short essay questions;

Sample Response: The Zuiderzee was a shallow bay of the North Sea that was changed into a lake known as the IJsselmeer after a dam was completed across the inlet. This project was aimed at providing improved flood control for low-lying areas and massive land reclamation projects. These reclaimed areas, known as polders, created land for new agricultural and urban areas. The Markermeer was to be the last reclaimed polder, but the project was not completed. Subsequently, the area has become a valuable ecological and recreational resource.

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,7,9,11,12,13,14,15,17,18

2. Sample Response: The seed vault in Norway has duplicate seeds of the seeds stored in scattered seedbanks around the world. This provides a secure back-up to these seeds. If there were to be some global calamity, the Earth's genetic diversity in terms of seeds would be preserved. More realistically, it provides backups for rare seeds that could be lost as a result of carelessness, mismanagement, or equipment failure.

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,6,7,9,10,11,12,14,15,16,18

### **Exploration 8. 2 Multiple Choice**

1. E

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,9,11,12,14,18

2. B

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,9,11,12,14,18

3. E

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,8,11,15,16,18

4. D

Bloom's Taxonomy: Application/Analysis

Geography Standard: 1,3,4,9,18

5. B

Bloom's Taxonomy: Application/Analysis

Geography Standard: 1,3,4,9,18

### **Exploration 8.2 Short Essay**

1. Sample Response: Both Europe and the eastern US have large conurbations reflected in the extent of lights. Several that stand out include Megalopolis in the US and both the Padan and central European plains in Europe. What really stands out is the very regular spacing of cities in the US compared to the more idiosyncratic spacing found in European countries. This spacing in the US is largely explained by central place theory that predicts a regular spacing of towns based on market factors. The much later European development of the US helps explain why the pattern is more visible there.

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,5,9,11,12,14,18

2. Sample Response: Europe's ageing population is a huge problem for many European governments. Not only do you lack enough people paying into the system, but retirement numbers are booming. This is largely the result of retirement ages that are much younger than other parts of the developed world. Beyond early retirement ages, the pensions often pay the

retirees at close to the rate of full-time employment. Governments have thus started the process of bumping back retirement ages and decreasing pensions. In many cases, this only begins to solve the economic crunch and further cuts in social services have been employed.

Bloom's Taxonomy: Synthesis/Evaluation; 1,3,4,9,10,11,12,18

### **Exploration 8.3 Multiple Choice**

1. A

Bloom's Taxonomy: Application/Analysis

Geography Standard: 1,2,3,4,5,6,9,10,11,12,18

2. E

Bloom's Taxonomy: Application/Analysis

Geography Standard: 1,3,4,6,10,12,18

3. C

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,6,10,12,18

4. A

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,2,3,4,9,12,17,18

5. D

Bloom's Taxonomy: Application/Analysis

Geography Standard: 1,3,4,15,18

### **Exploration 8.3 Short Essay**

1. Sample Response: Both districts would have land values that are stratospheric based on location alone. This is reflected in the vertical development associated with La Defense. Why is there limited vertical development in the area of the Seine placemark? In this historically significant area of Paris, government authorities have decided that it is more important to maintain the historical integrity and Baroque feel than to gain additional tax revenue by larger structures. An additional component of the Seine location is its significant open space. This open space accentuates the monuments and shows that the local authorities value aesthetics.

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,2,3,4,5,6,9,10,11,12,18

2. Sample Response: The Tour de France is the most watched annual sporting event in the world.

It is wildly popular in Europe. Reasons for this include its long history that stretches back nearly 100 years, its heavy coverage in all forms of media, and the fact that it is the pinnacle of a sport that many Europeans participate in recreationally. Another major reason for its popularity and the explanatory variable for its widespread success prior to television is location. The Tour comes to the people. With a different route each year, the race comes to hundreds of small French communities each year. It also makes sporadic forays into surrounding countries that further bolster its standing among Europeans.

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,6,10,17,18

#### **Exploration 8. 4 Multiple Choice**

1. D

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,5,9,12,12,18

2. E

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,9,12,13,17,18

3. A

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,9,12,13,17,18

4. B

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,9,10,12,12,14,17,18

5. C

Bloom's Taxonomy: Synthesis/Evaluation;

Geography Standard: 1,3,4,5,6,8,9,11,13,17,18

#### **Exploration 8.4 Short Essay**

1. Sample Response: Monaco is a state with an area of 2.02 km<sup>2</sup>. It is the second smallest country in the world. Its population is approximately 30,000. In the 11<sup>th</sup> century Monaco was a colony of Genoa and spent time under the control of French, Italian, and Sardinian governments. Only in 1861 did it gain full sovereignty. France, however, is responsible for the defense of the microstate. Its ongoing viability is a result of tourism. It has a large casino and cruise ships dock there. Additionally, the country is a tax haven as it charges no individual income tax.

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,6,9,10,12,12,17,18

2. Sample Response: I think Kosovo should be recognized as an independent country. Because of the region's recent history, it makes more sense to pursue an independent, ethnically homogenous state. The Albanian majority does not want to work with the Serbs, who have a number of sacred sites, but a limited population in the area. As a precedent, one can look at other former Yugoslav republics such as Slovenia and Croatia. While these arguably have more ethnic diversity, they moved from a multi-ethnic political reality to a less diverse ethnic landscape.

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,6,13,18

### **Exploration 8.5 Multiple Choice**

1. E

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,9,11,16,18

2. B

Bloom's Taxonomy: Application/Analysis

Geography Standard: 1,3,4,9,10,11,18

3. D

Bloom's Taxonomy: Knowledge/Comprehension

Geography Standard: 1,3,4,9,11,12,13,18

4. D

Bloom's Taxonomy: Knowledge/Comprehension

Geography Standard: 1,3,4,18

5. C

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,7,18

### **Exploration 8.5 Short Essay**

1. Sample Response: The Large Hadron Collider is a scientific instrument located under the border of Switzerland and France. It is approximately 100 meters underground. Its purpose is to study the fundamental building blocks of all things to help us understand how the universe was created and functions today. By colliding subatomic particles at very high speeds, scientists will

attempt to create the conditions that were present immediately following the Big Bang.

Opponents to the project voiced concerns about the creation of black holes that could destroy our planet.

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,6,9,10,11,12,12,18

2. Sample Response: Ursa Major is a large bear type creature. Strangely it has a longer tail than any bear that I have seen. Gemini is represented by two nude figures engaged in some sort of combat. One figure has a whip while the other has a club. Sagittarius is presented as a centaur (half man, half horse).

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,6,9,11,12,14,18

## **Chapter 9 The Russian Domain**

### **Exploration 9.1 Multiple Choice**

1. A

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,5,7,9,10,11,12,14,15,16,17,18

2. C

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,5,9,11,12,13,14,18

3. B

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,7,8,9,11,12,13,14,15,16,18

4. E

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,9,11,12,18

5. D

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,8,14,15,16,17,18

### **Exploration 9.1 Short Essay**

1. Responses will vary for all short essay questions; Sample Response: While nuclear energy can provide great amounts of electricity with very minimal emission of greenhouse gasses, I do not support the use of this technology. The primary reason is that I think that we should develop solar and wind and more importantly, the grid to connect these resources to all parts of the country efficiently before investing in technologies that have such clear downsides. Nuclear is undoubtedly better than coal, but the storage of the waste and the risk of an accident dictate that we should move ahead on renewables.

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,6,9,10,11,12,13,16,18

2. Sample Response: The biggest winners in terms of melting sea ice will be the countries that can benefit from shipping at high latitudes. Ships from Russia, Canada, the US and much of Europe will be able to take more direct routes to other northern hemisphere destinations. Potentially, high latitude economies such as Iceland and Norway could improve their global economic standing.

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,5,6,7,11,13,14,15,16,17,18

### **Exploration 9. 2 Multiple Choice**

1. C

Bloom's Taxonomy: Application/Analysis

Geography Standard: 1,3,4,9,18

2. D

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,9,12,18

3. E

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,5,6,9,10,11,12,18

4. A

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,5,6,9,10,11,12,18

5. D

Bloom's Taxonomy: Knowledge/Comprehension

Geography Standard: 1,3,4,6,9,10,12,13,18

### **Exploration 9.2 Short Essay**

1. Sample Response: Comparing the mikrorayons 1 and 2 sites, there are several differences that stand out. First, the 2 site appears like a much nicer place to live. There is an emphasis on open space and walking trails. This looks particularly good in this example because the imagery was captured in October when the landscape was still a verdant green. The transportation infrastructure is also more modern looking with a rail line acting as a focal point for site 2. The inclusion of single family homes in this development also demonstrates that there could be more concessions toward western conveniences here. By contrast, the 1 site looks rather bleak and worn-out with much less green space and industrial activities in the immediate vicinity.

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,5,6,9,10,11,12,18

2. Sample Response: Ulan-Ude is a city near Lake Baikal in eastern Siberia. It is an interesting place culturally because it represented the historical confluence of Chinese, Russian, and Mongol spheres of influence. The city has many good examples of Russian Classic architecture. This is very different from what I am accustomed to at my location. Another notable difference is that outsiders from external countries were not allowed in the city until 1991. It's hard to imagine those kinds of restrictions in your own city. A final interesting cultural facet is that the spiritual capital of Buddhism in Russia is located nearby.

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,6,9,10,11,12,18

### **Exploration 9.3 Multiple Choice**

1. C

Bloom's Taxonomy: Application/Analysis

Geography Standard: 1,3,4,5,6,10,11,18

2. A

Bloom's Taxonomy: Application/Analysis

Geography Standard: 1,3,4,6,10

3. D

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,6,10,11,12,18

4. A

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,5,6,9,10,12,18

5. B

Bloom's Taxonomy: Application/Analysis

Geography Standard: 1,3,4,5,6,9,10,12,18

### **Exploration 9.3 Short Essay**

1. Sample Response: To me, the quintessential Russian export is vodka. Vodka probably originated in the grain growing region of western Russia in the 14<sup>th</sup> century. Its existence can be documented in adjacent areas such as Belarus, Ukraine, and Scandinavia shortly thereafter. Today, vodka is one of the world's most popular types of liquor, but it was not popularly known or consumed outside the "vodka belt" prior to 1950. It has gained in popularity through modern marketing that has extolled its many virtues, including its ability to mix with many ingredients

and its lack of smell.

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,4,6,10,11,17,18

2. Sample Response: In my community, the Baptist places of worship are most common. They range in size from small meeting houses that can accommodate a few dozen people to large mega churches with a capacity of several thousand. The most common color is white and most Baptist churches have a large central steeple as the architectural focus of the building.

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,5,6,9,10,12,18

### **Exploration 9.4 Multiple Choice**

1. E

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,12,13,14,17,18

2. D

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,13,18

3. D

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,9,12,13,18

4. A

Bloom's Taxonomy: Application/Analysis

Geography Standard: 1,3,4,6,10,13,18

5. E

Bloom's Taxonomy: Synthesis/Evaluation;

Geography Standard: 1,3,4,5,6,9,12,13,17,18

### **Exploration 9.4 Short Essay**

1. Sample Response: The nuclear states are the US, Russia, the UK, France, China, India, Pakistan, Israel, and North Korea. South Africa has weapons, but gave them up. Other states that seek to develop nuclear programs include Iran, and potentially Syria. There is great concern about states such as these acquiring these weapons. Potentially, this could cause more states to pull out of the nuclear non-proliferation treaty. Despite these concerns, the overall number of nuclear

warheads has dropped significantly in recent years as a result of major cuts completed by the two largest holders of nuclear weapons, the US and Russia.

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,13,17,18

2. Sample Response: Simply put Georgia was the aggressor. However, the Russians had created a situation by their involvement in areas that were technically part of Georgia that provoked the Georgians to their actions. Once the Georgians attacked the area of South Ossetia, the Russians responded with an overwhelming show of force. The potential for further conflict will exist until there is more international consensus as to the political status of South Ossetia and Abkhazia.

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,5,6,9,10,11,12,13,17,18

### **Exploration 9.5 Multiple Choice**

1. B

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,5,7,8,11,15,16,18

2. C

Bloom's Taxonomy: Synthesis/Evaluation;

Geography Standard: 1,3,4, 5,7,8,11,15,16,18

3. A

Bloom's Taxonomy: Synthesis/Evaluation;

Geography Standard: 1,3,4,5,7,8,11,15,16,18

4. D

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,5,7,8,11,15,16,18

5. A

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,5,7,8,11,15,16,18

### **Exploration 9.5 Short Essay**

1. Sample Response: Not surprisingly, leading oil producers are the OPEC countries that are disproportionately located in the Middle East. The US, Russia, and Venezuela are big producers as well. In the future locations like West Africa will become more prominent exporters, as will

Brazil. Natural gas is a much more complicated story. Canada, Russia and the US have large supplies, but new technologies are making gas fields in locations that are not generally associated with gas production considering the possibility of being energy independent. This includes countries in central Europe. It's a constantly changing energy landscape that will continue to evolve as technologies are developed.

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,5,11,13,16,18

2. Sample Response: There have been a number of disputes regarding the passage of natural gas through the Ukraine to points west. The Russian gas company Gazprom has claimed that Ukraine has not been paying Russia for its gas. Gazprom has turned off the gas on numerous occasions. This is problematic in the wider geopolitical realm because approximately 80% of Russia's gas that supplies Europe passes through the Ukraine. This issue has been a problem on numerous occasions in recent years and is a primary reason more diverse gas routes to Europe from Russia are needed along with a general diversification of Europe's energy supply.

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,11,13,18

## **Chapter Ten: Central Asia**

### **Exploration 10.1 Multiple Choice**

1. E

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,5,7,9,12,13,15,18

2. A

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,7,8,9,11,12,15,18

3. B

Synthesis/Evaluation; 1,3,4,7,8,15,18

4. C

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,7,11,12,14,15,17,18

5. B

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,8,14,15,16,17,18

### **Exploration 10.1 Short Essay**

1. Responses will vary for all short essay questions;

Sample Response: The economic situation in the region has been devastated as a result of the wholesale destruction of the environment. Many communities were based on the fishing industry and its associated economic activities like shipbuilding. Muskrat trapping in the delta areas was also a significant component of the economy that is no longer a viable livelihood. The significant health problems, detailed in the next response, also exert a heavy economic toll.

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,9,11,14,15,16,17,18

2. Sample Response: The health impacts of the disappearing Aral Sea are staggering. The first group of problems deals with the pesticides, fertilizers and salts that continually blow out of the lake bed in dust storms. Liver, kidney, and eye ailments have been tied to the toxic dust storms. Lung diseases and cancers are exceptionally common, as well. Some of these ailments may be a result of materials emanating from the former Soviet-era chemical and biological weapons testing facility on Vozrozhdeniya Island.

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,9,11,12,13,14,15,16,17,18

### **Exploration 10.2 Multiple Choice**

1. E

Bloom's Taxonomy: Analysis/Application

Geography Standard: 1,3,7,12,13,15,18

2. E

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,7,9,11,12,14,18

3. D

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,9,11,12,18

4. E

Bloom's Taxonomy: Synthesis/Evaluation;

Geography Standard: 1,3,4,8,9,11,12,14,15,16,17,18

5. A

Bloom's Taxonomy: Knowledge/Comprehension

Geography Standard: 1,3,4,9,10,12,15,18

### **Exploration 10.2 Short Essay**

1. Sample Response: The agricultural areas are shaped like deltas/triangles. This is the result of ever increasing distributary streams emanating from a common point of distribution. The main channel is diverted into these smaller streams by human activity or by the natural concaved shape of the piedmont transition zone between an elevated area and the flat valley floor.

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,7,9,11,12,14,15,18

2. Sample Response: Living in a relatively humid location, management for conservation of water is not as critical as it is in drier locations. However, water must be managed nonetheless. In our community water from rainfall must be directed to appropriate drainage culverts and basins and these facilities must be maintained adequately. As recent events in my community have demonstrated, if the culverts are not cleaned out, flash flooding risks can increase and damage from rainfall becomes more problematic.

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,6,9,10,11,12,18

### **Exploration 10.3 Multiple Choice**

1. D

Bloom's Taxonomy: Knowledge/Comprehension

Geography Standard: 1,3,4,6,10,12,13,15,18

2. A

Bloom's Taxonomy: Analysis/Application

Geography Standard: 1,3,4,6,10,11,12,18

3. C

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,6,9,11,12,18

4. B

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,6,9,10,12,18

5. C

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,6,9,10,12,18

### **Exploration 10.3 Short Essay**

1. Sample Response: I believe the site should be maintained exactly as it is to illustrate the ignorance of some groups of people as well as the absurdity of intertwining religious and political realms. An interpretive center that explains not only the destruction of this site, but of other important places that have been adversely impacted by extremists would be of more use than trying to restore the original statues. The strongest argument for restoration is economic as more tourists would probably visit the site if it were to be restored.

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,6,10,11,12,13,17,18

2. Sample Response: I think that visitors from the rest of China probably accept it while many native Tibetans find it disgusting. Its placement in front of the Potala Palace would be irritating if I were a native of Tibet as it is an attempt by the Chinese government to integrate itself into the very fabric of Tibet. Because this was the residence of the Dalai Lama, the ostentatious display of Chinese nationalism on its doorstep is in particularly poor taste.

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,6,10,11,12,13,17,18

#### **Exploration 10.4 Multiple Choice**

1. C

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,12,13,14,17,18

2. D

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,13,18

3. C

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,6,10,13,18

4. D

Bloom's Taxonomy: Analysis/Application

Geography Standard: 1,3,4,6,10,13,18

5. C

Bloom's Taxonomy: Analysis/Application

Geography Standard: 1,3,4,6,10,18

#### **Exploration 10.4 Short Essay**

1. Sample Response: I believe there are two primary responses. First, the 20<sup>th</sup> century political history of the region is the story of Russian domination. During this time, these states were peripheral to the Soviet empire, but were not able to develop their own political institutions. When the USSR dissolved, these nascent states had no experience with plural governments and the power vacuum encouraged strong leaders to take over. Dictators usually don't encourage freedom of the press and human rights. I believe the second major component deals with the resurgence of Islam in the wake of the Soviet Union. While some states like Uzbekistan are explicitly anti-fundamentalist, there are significant populations of these states that promote very conservative interpretations of Islam that often reflect diminished human rights.

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,13,17,18

2. Sample Response: In general, press freedom in the US is quite high. It has been high for the last several years, but received a recent bump by a change in administrations. The current Obama administration has been more receptive to press investigations than the Bush administration. On the other hand, press freedom is being adversely affected by the continuing downsizing of the country's newspaper business. With fewer and fewer reporters and outlets, the stories can be more easily manipulated by the government or corporate interests.

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,6,10,18

### **Exploration 10.5 Multiple Choice**

1. D

Bloom's Taxonomy: Knowledge/Comprehension

Geography Standard: 1,3,4,6,7,9,10,11,12,13,16,18

2. C

Bloom's Taxonomy: Knowledge/Comprehension;

Geography Standard: 1,3,4,6,7,9,10,11,12,13,16,18

3. C

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,9,11,12,13,14,18

4. A

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,5,10,11,18

5. A

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,5,11,18

### **Exploration 10.5 Short Essay**

1. Sample Response: The problem of poppy cultivation in Afghanistan is very challenging. The poppy will produce many more times the income for a farmer than will one of the few varieties of crops that can grow in Afghanistan's harsh climate. Wheat is the most commonly suggested substitute. However, the government would need to subsidize farmers at an unsustainable level, particularly for a poor country. If the developed world really doesn't want those drugs on their streets and doesn't want those drugs to fund terrorist organizations then they should subsidize the farmers. Otherwise, let the market work and let the farmers earn.

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,6,9,10,11,13,18

2. Sample Response: The Heritage Foundation is a conservative think tank based in Washington D.C. It is considered one of the most influential conservative organizations in the US. It became prominent during the Reagan administration. Their focus on free enterprise and limited government would likely influence the manner in which they frame their economic freedom rankings. Some of the things that they penalize in their rankings, such as government spending, could be considered a positive measure by people of a different political persuasion.

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 4,6,11

## **Chapter 11: East Asia**

### **Exploration 11.1 Multiple Choice**

1. E

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,5,7,9,11,12,14,15,16,18

2. B

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,5,7,9,11,12,14,15,16,18

3. A

Bloom's Taxonomy: Synthesis/Evaluation;

Geography Standard: 1,3,4,9,10,12,14,15,17,18

4. D

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,7,15,18

5. A

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,9,11,12,14,18

### **Exploration 11.1 Short Essay**

1. Responses will vary for all short essay questions;

Sample Response: I think the past is the past and we should move forward knowing what we know now. Carbon dioxide emissions are bad for the planet and the Chinese coal plants are some of the world's worst culprits. I think that the west should provide technology transfers to help the Chinese accelerate their development of renewable technologies. I also believe that everything possible should be done, including the use of economic sanctions if the biggest greenhouse gas producers such as China and the US do not show dramatic improvements in this realm.

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,4,6,11,13,14,16,17,18

2. Sample Response: While the benefits of the dam like hydroelectric generation and reduced flood risks are undeniable, there are also many drawbacks to the construction and operation of Three Gorges. First, the relocation of more than one million people was required. Second, biodiversity was adversely affected as wetlands were drowned and the Yangtze River dolphin faced extinction. Third, the dam may sit on a significant fault that could cause an earthquake with

disastrous results.

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,9,11,12,14,16,17,18

### **Exploration 11.2 Multiple Choice**

1. B

Bloom's Taxonomy: Application/Analysis

Geography Standard: 1,3,4,5,9,13,18

2. A

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,5,9,11,12,18

3. D

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,7,8,9,10,11,12,14,17,18

4. D

Bloom's Taxonomy: Knowledge/Comprehension

Geography Standard: 1,3,4,5,9,18

5. C

Bloom's Taxonomy: Knowledge/Comprehension

Geography Standard: 1,4,6,9,18

### **Exploration 11.2 Short Essay**

1. Sample Response: In the case of North Korea there are several explanatory factors. First, the level of development in North Korea is much lower than surrounding countries. Therefore one would expect diminished light output. Second, the regime has been isolated by economic and political sanctions and there have subsequently been power outages as fuel is unavailable or the outdated power plants cannot produce adequate power. As a result the cities can be surprisingly dark. Finally, the rural population percentage is higher and therefore there are not as many clustered light sources.

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,5,9,11,12,18

2. Sample Response: China's skewed sex ratio is the combined result of cultural preferences, political policy, and increasing technology. In many Asian societies, it is essential for the family

to have a male to carry on the family lineage. When this is combined with the constraints created by China's One Child Policy, this can lead to gender-specific abortion. This has been aided in recent years by the ubiquity of ultrasound imaging machines that can inform parents of the sex of an unborn child.

### **Exploration 11.3 Multiple Choice**

1. E

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,9,10,11,12,13,17,18

2. B

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,4,6,10,13,18

3. A

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,6,9,11,12,18

4. E

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,6,9,10,12,18

5. B

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,6,9,10,11,12,18

### **Exploration 11.3 Short Essay**

1. Sample Response: Kim Jong-il took over for his father Kim Il-sung in 1994. These men have used mass media to create distorted public images of themselves as heroes of the Korean people. Unquestioning flattery of the leaders is demanded and there is no tolerance for criticism. In fact, many people in the country including scholars have deified these men.

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,6,10,11,12,13,17,18

2. Sample Response: These scenes look very different than most American cities for the density and intensity of the urban environment. There are few locations with this level of pedestrian foot traffic and this level of advertising for consumer culture. The most obvious parallel is Times Square in New York City. There are a few locations in Europe, such as London's Piccadilly

Circus that bear some resemblance as well.

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,6,10,11,12,18

#### **Exploration 11.4 Multiple Choice**

1. A

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,11,12,13,17,18

2. B

Bloom's Taxonomy: Knowledge/Comprehension

Geography Standard: 1,3,4,11,12,13,18

3. B

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,9,11,13,18

4. C

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,6,9,10,12,13,18

5. E

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,9,10,12,13,17,18

#### **Exploration 11.4 Short Essay**

1. Sample Response: This is an extremely complicated issue. All of the claimants have some legitimacy to their claims based on the concepts of continental shelves, the UN Law of the Sea, contemporary commercial development, and historical activity in the region. China has the strongest case in terms of the latter. However, the Chinese Empire should not be confused with the modern Chinese state say the Vietnamese. The ASEAN states have signed an agreement to resolve disputes regarding the islands in a diplomatic fashion.

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,11,12,13,18

2. Sample Response: The paradoxical benefit of the DMZ is that people are rare visitors to this contiguous area of nearly 250 kilometers in length. This zone crosses mountains, streams, swamps, prairies, and tidal marshes. As a result this is one of the best preserved areas of

temperate habitat in the world. Several endangered birds live there as well as the endangered Amur Leopard. When Korean unification eventually occurs, many are hopeful that this can remain an ecological preserve.

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,5,8,13,14,15,18

### **Exploration 11.5 Multiple Choice**

1. E

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,6,9,10,11,12,16,17,18

2. D

Bloom's Taxonomy: Synthesis/Evaluation; 1,3,4,5,11,16,18

3. D

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,5,11,16,18

4. B

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,5,9,10,11,12,13,18

5. A

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,5,11,18

### **Exploration 11.5 Short Essay**

1. Sample Response: While my personal preference is weighted toward historical preservation, it is very difficult to suggest that individuals should not be able to develop an area for personal profit. In this case, there has already been so much development including chair lifts and toboggan slides. What is it going to hurt if this continues? I would suggest identifying portions of the Great Wall that are relatively well preserved and lack commercial development. Perhaps these could be identified as no development zones?

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,6,10,11,16,17,18

2. Sample Response: The pattern of US/East Asia trade is clear. The US is trading with massive deficits. These trade deficits have generally trended upward over the last decade. In some cases,

such as the trade partnership with China, the deficit has exploded. I suspect these trends will only continue. This is supported by investment data. While East Asian countries continue to build production infrastructure, the US is focused on consuming. If the US does not create more demand for US products and services, the future will not be bright.

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,5,11,12,16,17,18

## **Chapter 12: South Asia**

### **Exploration 12.1 Multiple Choice**

1. D

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,7,8,15,18

2. B

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,7,8,9,11,12,13,14,15,16,17,18

3. B

Geography Standard: Synthesis/Evaluation

Bloom's Taxonomy: 1,3,4,7,8,9,11,12,13,14,15,16,17,18

4. A

Bloom's Taxonomy: Application/Analysis/Analysis

Geography Standard: 1,3,4,9,11,12,13,14,16,18

5. E

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,6,7,9,11,12,13,14,16,17,18

### **Exploration 12.1 Short Essay**

1. Responses will vary for all short essay questions; Synthesis/Evaluation; 1,3,4,7,12,15,18

Sample Response: Tornadoes present the most acute natural hazard at my present location. There is also risk of floods and earthquakes. While tornado precautions are present here in Little Rock, they pale in comparison to my previous residence of Stillwater, Oklahoma. Of course the same National Weather Service-generated watches and warnings serve this area. However, the municipal management of severe weather is lacking in Little Rock. For example, tornado sirens often sound for the entire city, even if the offending storm is 20 miles from one side of the city and has no chance of impacting it. Additionally, there are no clearly defined public tornado shelters in Little Rock.

2. Sample Response: The report caused little concern for acute pollution in my zip code. Other than the dry cleaners and medical facilities that are registered there are few sites of note. Along the river valley, some two miles from my home, there are some brownfield sites that have been substantially remediated. The overall environment does not present any major problems in terms

of air or water quality, as well. I appear to live in a relatively good location for environmental threats to my health.

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,6,9,11,12,14,16,18,18

### **Exploration 12.2 Multiple Choice**

1. B

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,9,10,11,12,14,18

2. B

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,9,10,11,12,14,16,17,18

3. E

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,9,10,16,17,18

4. D

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,5,9,11,17,18

5. B

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,7,8,9,12,14,15,17,18

### **Exploration 12.2 Short Essay**

1. Sample Response: Ajay Bhatt is an Indian American computer architect. He holds more than ten patents with more in various stages of filing. Most significantly, he is the inventor of the universal serial bus or USB. It's hard to imagine our world without USB ports. M. Night Shyamalan is an Indian American filmmaker. His films are known for their supernatural elements and their unexpected endings. He has made several very good films, in my opinion such as The Sixth Sense and Unbreakable. He has also made some terrible films such as Lady in the Water and The Happening. Good or bad, his films have had a major impact on the American film industry.

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standards: 1,3,4,5,6,7,9,10,11,12,14,18

2. Sample Response: In my community, the most visible South Asian cultural element is the expanding offerings of Indian food. In just the last year, the number of Indian food restaurants had doubled from two to four. As a lover of Indian cuisine, this is great news to me. I also am grateful to have more variation in the Indian cuisine. For example, there is a restaurant specializing in south Indian cuisine. Rice is a prominent ingredient along with coconut oil and coconut milk as well as a curry. The northern Indian restaurant has more in the way of Tandoori dishes and cream sauces.

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,6,8,9,10,12,15,16,17,18

### **Exploration 12.3 Multiple Choice**

1. A

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standards: 1,3,4,6,9,10,12,18

2. B

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,5,6,10,12,18

3. C

Bloom's Taxonomy: Knowledge/Comprehension

Geography Standard: 1,3,4,9,10,12,18

4. E

Bloom's Taxonomy: Knowledge/Comprehension

Geography Standard: 1,4,6,9,10,18

5. D

Bloom's Taxonomy: Synthesis/Evaluation;

Geography Standard: 1,3,4,5,6,9,10,11,12,18

### **Exploration 12.3 Short Essay**

1. Sample Response: My initial response and one that is verified by research on the web is that there is a Bangladeshi community in the greater Manchester area. There is a Greater Manchester Bangladesh Association that has a number of local shops and clubs as members. You can also go to the Office for National Statistics for the UK to look up the specific number of foreign born for a given area.

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,6,9,10,17,18

2. Sample Response: Team handball is a good example of a sport that has not gained notoriety here in the US despite its popularity in other parts of the world. The hotbed of team handball is Europe where there are 19 professional leagues. The current men's world champion national team is France, while the women's champion is Russia. As to why it has not gained the following in the US, it may well be its similarity with other already established sports, mainly basketball and hockey.

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,4,6,9,10,11,17,18

### **Exploration 12.4 Multiple Choice**

1. B

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,5,9,11,12,13,17,18

2. A

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,13,17,18

3. B

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,5,6,9,10,11,13,17,18

4. C

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,6,13,18

5. E

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,6,13,18

### **Exploration 12.4 Short Essay**

1. Sample Response: I think it is a highly entertaining and beneficial tourist development for both sides. Of course, the ceremony fans the flames of nationalism, but at what cost. Is this good-natured event really going to be a stimulus for war? On the other hand, it provides a regional economic boost to both sides of the border as visitors buy food and hotel rooms. Upwards of 15,000 people can attend the event. This equates to many people earning their livelihood from

this display.

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,6,9,10,11,13,18

2. Sample Response: In 2010, the most peaceful countries are disproportionately European. The exceptions are New Zealand and Japan. The overall leader is New Zealand. The only indicator that is relatively less peaceful is the country's moderately high level of military sophistication. New Zealand has peaceful marks for its lack of internal and external conflicts, low crime rates, high education, and democratic society. These characteristics are shared by much of northern and western Europe.

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,5,6,9,13,18

### **Exploration 12.5 Multiple Choice**

1. D

Bloom's Taxonomy: Application/Analysis

Geography Standard: 1,3,4,10,11,13,18

2. A

Bloom's Taxonomy: Application/Analysis

Geography Standard: 4,6,11,12

3. E

Bloom's Taxonomy: Application/Analysis

Geography Standard: 1,3,4,6,9,11,16,18

4. B

Bloom's Taxonomy: Application/Analysis

Geography Standard: 1,3,4,6,9,11,16,18

5. C

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,5,6,9,18

### **Exploration 12.5 Short Essay**

1. Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,6,9,11,12,13,14,16,18

2. Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,5,11,12,16,17,18

## **Chapter 13: Southeast Asia**

### **Exploration 13.1 Multiple Choice**

1. C

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,7,8,9,11,12,15,17,18

2. D

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,7,15,18

3. A

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,7,8,9,11,12,15,17,18

4. C

Bloom's Taxonomy: Assessment;

Geography Standard: 1,3,4,5,7,15,17,18

5. A

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,5,6,7,8,9,11,12,13,14,16,18

### **Exploration 13.1 Short Essay**

1. Responses will vary for all short essay questions; Sample Response: The problem in underdevelopment in this case pertains to a complete lack of warning for the inhabitants of the coastal areas. Therefore, the impact of the tsunami can be just as great as locations that were hit very shortly after the wave had been generated. Compounding this problem is the lack of building and infrastructure quality. More damage will occur and it will be more difficult to provide assistance in underdeveloped locations such as Somalia. Countries with more developed communications technology were able to learn of the impending disaster, warn their citizens, and help mitigate impacts.

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,7,9,11,12,13,15,17,18

2. Sample Response: The tsunami warning system in the Pacific Ocean was established in 1949 and was upgraded in the wake of the 2004 Indian Ocean tsunami. A UN conference in 2005 was convened to establish an Indian Ocean Warning System. It consists of seismic sensors in the

ocean and around the periphery of the Indian Ocean that are linked to report the potential of a tsunami. Improvements still need to be made, however, in terms of intergovernmental cooperation and data sharing.

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,7,9,11,12,13,15,17,18

### **Exploration 13.2 Multiple Choice**

1. A

Bloom's Taxonomy: Application/Analysis

Geography Standard: 1,3,4,5,7,9,12,15,18

2. B

Bloom's Taxonomy: Knowledge/Comprehension

Geography Standard: 1,3,4,6,9,10,11,15,16,18

3. D

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,7,8,9,10,11,12,14,17,18

4. D

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,5,9,10,18

5. C

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,6,9,10,17,18

### **Exploration 13.2 Short Essay**

1. Sample Response: The basic contrast between terracing in Southeast Asia and the agriculture found on the American Great Plains relates to labor and capital intensity. The rice terraces require an enormous amount of individual intensive labor to repair and maintain the terraces. Great Plains agriculture, on the other hand, requires increasingly less labor as machines become larger and more efficient. This improved efficiency comes with a very high capital cost as farmers must pay for large implements and extensive irrigation systems. The capital requirements for rice terracing are much less.

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,5,9,10,18

2. Sample Response: Each site has decided advantages and disadvantages. Angkor appears to have maintained some forest. The ubiquitous fields of the area suggest that some form of tropical agriculture is successfully propagated in the area. There are also several significant bodies of water nearby that could theoretically be used for irrigation and fishing.

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,6,9,10,11,12,18

### **Exploration 13.3 Multiple Choice**

1. E

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,7,9,10,15,18

2. C

Bloom's Taxonomy: Knowledge/Comprehension

Geography Standard: 1,3,4,6,9,10,12,13,18

3. B

Bloom's Taxonomy: Knowledge/Comprehension

Geography Standard: 1,3,4,9,10,12,18

4. B

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,6,10,13,17,18

5. D

Bloom's Taxonomy: Knowledge/Comprehension

Geography Standard: 1,4,6,9,10,17,18

### **Exploration 13.3 Short Essay**

1. Sample Response: The dominant religious traditions in the Philippines and Indonesia are Catholicism and Islam, respectively. In both cases, the influence was colonial activity and trade. In the case of the Philippines, more than 80 percent of the population is Roman Catholic. It is the third largest Catholic country in the world behind Brazil and Mexico. This is a direct result of Spanish colonization in the 16<sup>th</sup> and 17<sup>th</sup> century. In Indonesia, Islam accounts for 86% of the population, making it the most populous Muslim country in the world. Islam arrived in 11<sup>th</sup> and 12<sup>th</sup> centuries as traders from the Arabian Peninsula had made their way across the Indian Ocean.

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,6,10,11,12,13,17,18

2. Sample Response: Human trafficking in the US is occurring primarily for sexual and labor exploitation. A major way sex trafficking occurs is the coercion of women to enter the commercial sex industry via recruitment and control mechanisms such as strip clubs and escort services. Domestic sex traffickers also target runaway and homeless youth. This helps explain why the average age for entering into prostitution in the US is 12 to 13 years of age. Labor trafficking has been found to be prevalent in the agricultural industry, traveling carnivals, and begging rings.

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,4,6,9,10,17,18

### **Exploration 13.4 Multiple Choice**

1. E

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,6,9,10,11,12,13,17,18

2. A

Bloom's Taxonomy: Application/Analysis

Geography Standard: 1,3,4,6,9,10

3. C

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,5,6,9,10,11,18

4. C

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,6,10

5. B

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,6,9,10,13,17,18

### **Exploration 13.4 Short Essay**

1. Sample Response: I was particularly fascinated by the information that was not available from Myanmar. There is virtually no information about the functioning of the military junta. Not surprisingly, there was no information about the Saffron Revolution. I also found it rather remarkable that my computer detected dangerous malware attacking my computer as I attempted to navigate the site, particularly the areas that might have shed light on political policy. I also

found it remarkable that the Cambodian website had similar issues if and when it was up and working. Needless to say, this would be unacceptable from the US government.

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,6,10,18

2. Sample Response: Singapore's web portal was the most aesthetically pleasing, and best organized in my opinion. It conveniently grouped services and information for residents, non-residents, government, and business. Within these tabs it appeared that one could access virtually any government document or service. The links all worked and the information appeared to be current. They even had a single sign-on password option that is a relatively rare find. I tried to think of various queries I might have as a visitor to test the functionality of the site. For example, I attempted to locate a doctor that would treat an international patient. The information I desired was easily found by navigating the simple menus or utilizing search functions.

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,5,6,9,10,11,18

### **Exploration 13.5 Multiple Choice**

1. C

Bloom's Taxonomy: Synthesis/Evaluation;

Geography Standard: 1,3,4,7,9,11,13,15,16,18

2. A

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,8,11,12,13,16,18

3. B

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,7,11,16,18

4. D

Bloom's Taxonomy: Application/Analysis

Geography Standard: 1,3,4,6,10,13,18

5. E

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,5,6,10,13,18

### **Exploration 13.5 Short Essay**

1. Sample Response: Singapore has taken a multi-pronged approach at fighting corruption to make it a world leader in this realm. They accomplished this by creating extremely strict laws against corruption and then funding law enforcement adequately to enforce these laws. They also set-up very clear guidelines about the behavior and accepted practices of public officials to help mitigate the possibilities of corruption taking place. A significant component of this was funding intensive education of the public employees as to what constitutes corruption.

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,5,6,9,11,12,13,18

2. Sample Response: When I think of the term corruption I usually think of persons in a position of power who gain personally by behaving unethically. An example would be a political representative taking money from a lobbyist to vote a certain way on a piece of legislation. One example of corruption I can think about also included discrimination. A leader of a program I worked for agreed to not hire someone with same-sex orientation in order to keep their job despite that person being the best qualified applicant. It was a disheartening experience that negatively affected the morale of the entire organization.

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 4,6,13

## **Chapter 14: Australia and Oceania**

### **Exploration 14.1 Multiple Choice**

1. A

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,5,7,15,17,18

2. B

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,7,15,17,18

3. C

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,6,7,8,12,13,14,16,17,18

4. D

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,7,8,9,12,15,17,18

5. E

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,5,7,12,15,18

### **Exploration 14.1 Short Essay**

1. Responses will vary for all short essay questions;

Sample Response: Australia lacks significant tectonic activity because it sits on the middle of the Australian plate. The closest plate boundary is found to the north in the vicinity of New Guinea. The most central locations of the large plates have similarly low frequencies of earthquakes and volcanoes. Examples include Antarctica and much of the continent of Africa.

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,5,7,15,17,18

2. Sample Response: The government can dictate where people may construct residences.

Governments can also set codes for maintaining defensible space around structures. This means that people cannot have significant flammable materials adjacent to their home. Additionally, codes can dictate building materials and required access to water. Governments can also make people sign waivers if they choose to live in a high-risk area. In these cases, the government does not have to risk its resources in a wildfire event.

Bloom's Taxonomy: Synthesis/Evaluation;  
Geography Standard: 1,3,4,7,9,11,12,13,15,17,18

### **Exploration 14.2 Multiple Choice**

1. D

Bloom's Taxonomy: Synthesis/Evaluation  
Geography Standard: 1,3,4,7,9,12,15,18

2. C

Bloom's Taxonomy: Synthesis/Evaluation  
Geography Standard: 1,3,4,9,11,12,18

3. E

Bloom's Taxonomy: Synthesis/Evaluation  
Geography Standard: 1,3,4,9,11,12,13,14,16,18

4. C

Bloom's Taxonomy: Synthesis/Evaluation  
Geography Standard: 1,3,4,5,9,11,12,14,16,17,18

5. E

Bloom's Taxonomy: Knowledge/Comprehension  
Geography Standard: 1,3,4,9,11,12,18

### **Exploration 14.2 Short Essay**

1. Sample Response: Four of the trash items are plastic bags such as the ones used by Wal-Mart, plastic water bottles, numerous food wrappers, and waste concrete. Most of these items, excluding the concrete, appear to have washed-up on shore. These are items that are buoyant and resist degradation. Trash accumulates on most beaches, including tourist beaches. The primary difference is that the tourist beaches are continuously cleaned and maintained. This usually occurs in the early morning hours when the tourists are still asleep. Additionally, there is not nearly as much trash input locally because people have come to the tourist beaches to enjoy the scenery and do not want to despoil it. On the other hand, these images from the Marshall Islands appear to be high poverty locations where one would expect to see lower values placed on keeping the beaches clean.

Bloom's Taxonomy: Synthesis/Evaluation  
Geography Standard: 1,3,4,6,7,9,12,14,18

2. Sample Response: These road trains are designed to move freight as efficiently as possible. While you see smaller versions in the US, you are unlikely to see more than three trailers behind one tractor because of the damage it can do the roads and the safety hazards associated with such long vehicles. In Australia, the roads in the Outback are often not even paved and there are far lower traffic counts in these isolated areas. They are further a necessity because there is not the dense rail network to move goods such as is done in the US.

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,9,11,12,18

### **Exploration 14.3 Multiple Choice**

1. B

Bloom's Taxonomy: Analysis/Application

Geography Standard: 1,3,4,6,7,10,15,18

2. A

Bloom's Taxonomy: Knowledge/Comprehension

Geography Standard: 1,3,4,6,7,9,10,15,18

3. D

Bloom's Taxonomy: Knowledge/Comprehension

Geography Standard: 1,3,4,6,9,10,12,18

4. D

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,6,10,13,17,18

5. B;

Bloom's Taxonomy: Synthesis/Evaluation;

Geography Standard: 1,3,4,6,9,10,12,18

### **Exploration 14.3 Short Essay**

1. Sample Response: Surf culture arose in the early 20<sup>th</sup> century and expanded rapidly in the middle part of the 20<sup>th</sup> century. Surf culture has had an impact on wider culture through the diffusion of innovations in music, film, and fashion. Surf culture has an intimate connection with the natural environment as surfers are dependent on specific geographies and ideal meteorological conditions to produce the best waves. Another key component of surf culture is localism. Locals guard their surfing spots closely and do not welcome outsiders.

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,6,10,11,12,13,18

2. Sample Response: The colonial history of the respective locations is the primary factor explaining right or left-hand drive. More of the world originally drove on the left, largely as a result of British influence. In the 20<sup>th</sup> century, there has been a gradual shift from left to right. The main reason to switch is for conformity with adjacent countries. Not all countries are switching from left to right, however. Samoa, for example, switched from right to left in 2009 to better align with the prevailing patterns in the south Pacific.

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,6,9,10,12,18

#### **Exploration 14.4 Multiple Choice**

1. E

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,5,9,11,12,13,18

2. C

Bloom's Taxonomy: Analysis/Application

Geography Standard: 1,3,4,5,9,11,12,13,18

3. D

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,9,11,13,14,18

4. A

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,9,11,13,14,18

5. C

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,6,9,10,13,17,18

#### **Exploration 14.4 Short Essay**

1. Sample Response: My state of residence, Arkansas includes both geometric and natural boundaries. The eastern boundary is the middle of the Mississippi River. Because of the changing nature of the stream channel, there are numerous instances where Arkansas can only be accessed from Tennessee or Mississippi, rather than the rest of Arkansas. This continues to be a source of constant legal challenge. The southern boundary is mainly 33° north, a geometric boundary.

However, a small portion of the Red River acts as the southern boundary, as well. The northern boundary is also principally geometric, with a small natural boundary. The western boundaries are geometric, but do not conform to lines of longitude.

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,5,9,11,12,13,18

2. Sample Response: The Hawaiian sovereignty movement is a nationalist political movement that seeks self-governance for Hawaiian nationals. There are several organizing groups with different aims. Some even want the US government to pay reparations for the 1893 overthrow of the Queen and the subsequent military occupation that continues to this day. The Hawaiian Kingdom Government is actively conducting business on the grounds of the Iolani Palace in Honolulu to this day.

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,5,6,9,10,11,18

#### **Exploration 14. 5 Multiple Choice**

1. B

Bloom's Taxonomy: Analysis/Application

Geography Standard: 1,3,4,11,12,14,16,18

2. E

Bloom's Taxonomy: Synthesis/Evaluation;

Geography Standard: 1,3,4,7,9,11,12,16,14,16,17,18

3. B

Bloom's Taxonomy: Analysis/Application

Geography Standard: 1,3,4,8,11,14,16,18

4. C;

Bloom's Taxonomy: Synthesis/Evaluation;

Geography Standard: 1,3,4,6,9,10,11,12,18

5. A

Bloom's Taxonomy: Synthesis/Evaluation

Geography Standard: 1,3,4,5,9,11,12,18

### **Exploration 14.5 Short Essay**

1. Sample Response: I am very familiar with the Seafood Watch guide. Some of my favorites are dangerous to eat and/or severely overfished. A few examples include the Patagonian Toothfish which can contain high levels of mercury. They are also captured using bottom trawling that destroys habitat and/or long-line trawling that can entrap seabirds such as albatross. Another problematic species is sole. The Atlantic sole have been severely overfished. The Pacific sole are a better alternative, but they too are caught using bottom trawling.

Bloom's Taxonomy: Synthesis/Evaluation;

Geography Standards: 1,3,4,5,6,8,9,11,12,14,16,18

2. Sample Response: I think this place looks awesome. The accommodations look very nice and spacious. The privacy of a single unit on the water is appealing. It looks like the rest of the resort has every amenity you could ever need. Additionally, there are plenty of opportunities for diverse forms of recreation with the varied mountain and sea environments. When I was younger I would have desired more seclusion and fewer amenities than are offered here. However, my tastes have evolved over the years.

Bloom's Taxonomy: Synthesis/Evaluation;

Geography Standard: 1,3,4,6,8,9,11,12,16,18