**Chapter 01 Test Bank**

**Multiple Choice Questions**

1. Environmental science is an interdisciplinary area of study that deals with all of the following except   
A. politics.  
B. economics.  
C. ethics.  
D. All of these are correct.

2. Environment is defined as:   
A. the surrounding conditions that affect organisms.  
B. everything that affects an organism during its lifetime.  
C. all organisms including people affecting many components.  
D. More than one of the choices are correct.  
E. None of the choices are correct.

3. Interrelatedness is a central factor of environmental science. Which of the following is an example of interrelatedness?    
A. (A) The production of red clover plants in fields in England to the number of cats in the area.  
B. (B) The reintroduction of wolves to Yellowstone National Park to the amount of livestock.  
C. (C) The reintroduction of wolves to Yellowstone National Park to the water flow through the landscape.  
D. A & B only.  
E. A & C only.  
F. All of the above.

4. An ecosystem is   
A. the transition zone between grassland and desert.  
B. a group of interactive species and their environment.  
C. a body of freshwater.  
D. the lowland area on either side of a river.

5. Which is the following is a correct example of interrelatedness?   
A. Wolves reintroduced --> coyotes decline --> rodents decline --> willows increase   
B. Wolves reintroduced --> elk decline --> willows increase --> beavers increase  
C. Wolves reintroduced --> coyotes decline --> rodents increase --> foxes decrease  
D. Wolves reintroduced --> elk decline --> willows increase --> beavers increase --> water flow stays the same

6. The Earth Summit was   
A. the first worldwide meeting dealing with environmental concerns.  
B. formerly known as the UNCED.  
C. held in Rio de Janeiro in 1992.  
D. All of these are correct.

7. The result of the 1997 Kyoto Summit was an international commitment to   
A. reduce the amount rainforest logging.  
B. increase the amount of land placed in conservation easement.  
C. reduce emissions of greenhouses gases.  
D. reduce the number of oil spills.

8. Agenda 21 was an agreement by   
A. seven nations to halt CFC production in 1987.  
B. 90 nations to enhance global biodiversity in 2000.  
C. 178 nations for comprehensive sustainable development in 1992.  
D. 300 nations to limit trade in endangered species in 1985.

9. The organization of colleges and universities in the United States and Canada that promotes sustainability in higher education is called   
A. UNCED.  
B. UNESCO.  
C. AASHE.  
D. STARS.

10. Malaria is widespread in tropical and subtropical regions, with some 525 million cases occurring annually and resulting in one to three million deaths, mainly in young children:   
A. of the Quechua Indians in Peru.  
B. in Sub-Saharan Africa.  
C. of the Jesuits in Europe.  
D. of the pilgrims in Massachusetts.

**True / False Questions**

11. Science is an approach to studying the supernatural world that involves formulating hypotheses and then testing them to see if the hypotheses are supported or refuted.   
True    False

12. Environmental science is a narrowly defined field of physical and biological sciences.   
True    False

13. The reintroduction of wolves to Yellowstone National Park did not have an impact on the ecosystem.   
True    False

14. Ecosystem boundaries are usually defined by easily identifiable demarcations.   
True    False

15. The ecosystem approach requires scientists to recognize and understand natural interactions and to integrate this with human needs for natural resources.   
True    False

16. Biodiversity is fundamental to human welfare and economic development and plays a critical role in meeting human needs by maintaining the ecological processes upon which our survival depends.   
True    False

17. The word *environment* is usually understood to mean the surrounding conditions that affect organisms, but a broader definition would include everything that affects an organism during its lifetime.   
True    False

18. Some ecosystems have easily recognized boundaries, such as lakes, islands, or floodplains.   
True    False

19. UNCED was the former name for the Earth Summit.   
True    False

20. Economic considerations are not involved with environmental decisions.   
True    False

21.  Air pollution generated in China affects air quality in WESTERN coastal states in the United States and in British Columbia, Canada.   
True    False

**Fill in the Blank Questions**

22. According to the World Health Organization, almost \_\_\_\_\_\_\_\_\_\_\_ of all diseases are caused by environmental exposure. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Check All That Apply Questions**

23.

The World Health Organization (WHO) estimates that 13 million deaths worldwide could be prevented every year by environmental improvement. Environmental risks include (check all the apply):

\_\_\_\_  pollution  
\_\_\_\_  landfill overflow  
\_\_\_\_  noise  
\_\_\_\_  cancer  
\_\_\_\_  climate and ecosystem change

24.

According to WHO, seven children die of diarrhea every minute globally, mainly due to (check all the apply):

\_\_\_\_  poor quality drinking water  
\_\_\_\_  malnutrition  
\_\_\_\_  uncontaminated food  
\_\_\_\_  virus, bacteria or parasites

**Short Answer Questions**

25. What is coronary heart disease, or CHD?

Chapter 01 Test Bank Key

**Multiple Choice Questions**

1. Environmental science is an interdisciplinary area of study that deals with all of the following except   
A. politics.  
B. economics.  
C. ethics.  
**D.** All of these are correct.

*Bloom's Level: 1. Remember  
Gradable: automatic  
Section: 01.01  
Topic: Environmental Science*

2. Environment is defined as:   
A. the surrounding conditions that affect organisms.  
B. everything that affects an organism during its lifetime.  
C.

all organisms including people affecting many components.

**D.**

More than one of the choices are correct.

E.

None of the choices are correct.

*Bloom's Level: 1. Remember  
Gradable: automatic  
Section: 01.01  
Topic: Environment*

3. Interrelatedness is a central factor of environmental science. Which of the following is an example of interrelatedness?    
A. (A) The production of red clover plants in fields in England to the number of cats in the area.  
B. (B) The reintroduction of wolves to Yellowstone National Park to the amount of livestock.  
C. (C) The reintroduction of wolves to Yellowstone National Park to the water flow through the landscape.  
D. A & B only.  
**E.** A & C only.  
F. All of the above.

*Bloom's Level: 1. Remember  
Gradable: automatic  
Section: 01.01  
Topic: Environmental Science*

4. An ecosystem is   
A. the transition zone between grassland and desert.  
**B.** a group of interactive species and their environment.  
C. a body of freshwater.  
D. the lowland area on either side of a river.

*Bloom's Level: 1. Remember  
Gradable: automatic  
Section: 01.01  
Topic: Ecosystems*

5. Which is the following is a correct example of interrelatedness?   
A. Wolves reintroduced --> coyotes decline --> rodents decline --> willows increase   
**B.** Wolves reintroduced --> elk decline --> willows increase --> beavers increase  
C. Wolves reintroduced --> coyotes decline --> rodents increase --> foxes decrease  
D. Wolves reintroduced --> elk decline --> willows increase --> beavers increase --> water flow stays the same

*Bloom's Level: 1. Remember  
Gradable: automatic  
Section: 01.01  
Topic: Environmental Science*

6. The Earth Summit was   
A. the first worldwide meeting dealing with environmental concerns.  
B. formerly known as the UNCED.  
C. held in Rio de Janeiro in 1992.  
**D.** All of these are correct.

*Bloom's Level: 1. Remember  
Gradable: automatic  
Section: 01.02  
Topic: Environment  
Topic: Globalization*

7. The result of the 1997 Kyoto Summit was an international commitment to   
A. reduce the amount rainforest logging.  
B. increase the amount of land placed in conservation easement.  
**C.** reduce emissions of greenhouses gases.  
D. reduce the number of oil spills.

*Bloom's Level: 1. Remember  
Gradable: automatic  
Section: 01.02  
Topic: Environment  
Topic: Globalization*

8. Agenda 21 was an agreement by   
A. seven nations to halt CFC production in 1987.  
B. 90 nations to enhance global biodiversity in 2000.  
**C.** 178 nations for comprehensive sustainable development in 1992.  
D. 300 nations to limit trade in endangered species in 1985.

*Bloom's Level: 1. Remember  
Gradable: automatic  
Section: 01.02  
Topic: Environment  
Topic: Globalization*

9. The organization of colleges and universities in the United States and Canada that promotes sustainability in higher education is called   
A. UNCED.  
B. UNESCO.  
**C.** AASHE.  
D. STARS.

*Bloom's Level: 1. Remember  
Gradable: automatic  
Section: 01.02  
Topic: Education*

10. Malaria is widespread in tropical and subtropical regions, with some 525 million cases occurring annually and resulting in one to three million deaths, mainly in young children:   
A. of the Quechua Indians in Peru.  
**B.** in Sub-Saharan Africa.  
C. of the Jesuits in Europe.  
D. of the pilgrims in Massachusetts.

*Bloom's Level: 1. Remember  
Gradable: automatic  
Section: 01.02  
Topic: Environment  
Topic: Health*

**True / False Questions**

11. Science is an approach to studying the supernatural world that involves formulating hypotheses and then testing them to see if the hypotheses are supported or refuted.   
**FALSE**

Science is an approach to studying the NATURAL world, not the supernatural world.

*Bloom's Level: 1. Remember  
Gradable: automatic  
Section: 01.01  
Topic: Science*

12. Environmental science is a narrowly defined field of physical and biological sciences.   
**FALSE**

*Bloom's Level: 1. Remember  
Gradable: automatic  
Section: 01.01  
Topic: Environmental Science*

13. The reintroduction of wolves to Yellowstone National Park did not have an impact on the ecosystem.   
**FALSE**

*Bloom's Level: 1. Remember  
Gradable: automatic  
Section: 01.01  
Topic: Environmental Science*

14. Ecosystem boundaries are usually defined by easily identifiable demarcations.   
**TRUE**

*Bloom's Level: 1. Remember  
Gradable: automatic  
Section: 01.01  
Topic: Ecosystems*

15. The ecosystem approach requires scientists to recognize and understand natural interactions and to integrate this with human needs for natural resources.   
**TRUE**

*Bloom's Level: 1. Remember  
Gradable: automatic  
Section: 01.01  
Topic: Ecosystems*

16. Biodiversity is fundamental to human welfare and economic development and plays a critical role in meeting human needs by maintaining the ecological processes upon which our survival depends.   
**TRUE**

*Bloom's Level: 1. Remember  
Gradable: automatic  
Section: 01.02  
Topic: Ecosystems*

17. The word *environment* is usually understood to mean the surrounding conditions that affect organisms, but a broader definition would include everything that affects an organism during its lifetime.   
**TRUE**

*Bloom's Level: 1. Remember  
Gradable: automatic  
Section: 01.01  
Topic: Environment*

18. Some ecosystems have easily recognized boundaries, such as lakes, islands, or floodplains.   
**TRUE**

*Bloom's Level: 1. Remember  
Gradable: automatic  
Section: 01.01  
Topic: Ecosystems*

19. UNCED was the former name for the Earth Summit.   
**TRUE**

*Bloom's Level: 1. Remember  
Gradable: automatic  
Section: 01.02  
Topic: Environment  
Topic: Globalization*

20. Economic considerations are not involved with environmental decisions.   
**FALSE**

*Bloom's Level: 1. Remember  
Gradable: automatic  
Section: 01.01  
Topic: Environment*

21.

Air pollution generated in China affects air quality in WESTERN coastal states in the United States and in British Columbia, Canada.

**TRUE**

*Bloom's Level: 1. Remember  
Gradable: automatic  
Section: 01.01  
Topic: Air Pollution*

**Fill in the Blank Questions**

22. According to the World Health Organization, almost \_\_\_\_\_\_\_\_\_\_\_ of all diseases are caused by environmental exposure.   
**one-quarter**

*Bloom's Level: 1. Remember  
Gradable: automatic  
Section: 01.02  
Topic: Environment  
Topic: Health*

**Check All That Apply Questions**

23.

The World Health Organization (WHO) estimates that 13 million deaths worldwide could be prevented every year by environmental improvement. Environmental risks include (check all the apply):

\_\_X\_\_ pollution  
\_\_\_\_\_ landfill overflow  
\_\_X\_\_ noise  
\_\_\_\_\_ cancer  
\_\_X\_\_ climate and ecosystem change

*Bloom's Level: 1. Remember  
Gradable: automatic  
Section: 01.02  
Topic: Environment  
Topic: Health*

24.

According to WHO, seven children die of diarrhea every minute globally, mainly due to (check all the apply):

\_\_X\_\_ poor quality drinking water  
\_\_X\_\_ malnutrition  
\_\_\_\_\_ uncontaminated food  
\_\_X\_\_ virus, bacteria or parasites

*Bloom's Level: 1. Remember  
Gradable: automatic  
Section: 01.02  
Topic: Environment  
Topic: Health*

**Short Answer Questions**

25. What is coronary heart disease, or CHD?

*Bloom's Level: 1. Remember  
Gradable: manual  
Section: 01.02  
Topic: Environment  
Topic: Health*

Chapter 01 Test Bank Summary

|  |  |
| --- | --- |
| *Category* | *# of Questions* |
| Bloom's Level: 1. Remember | 25 |
| Gradable: automatic | 24 |
| Gradable: manual | 1 |
| Section: 01.01 | 14 |
| Section: 01.02 | 11 |
| Topic: Air Pollution | 1 |
| Topic: Ecosystems | 5 |
| Topic: Education | 1 |
| Topic: Environment | 12 |
| Topic: Environmental Science | 5 |
| Topic: Globalization | 4 |
| Topic: Health | 5 |
| Topic: Science | 1 |