

1. Forests such as the one shown below provide essential resources for people worldwide.



Which of the following is an effect of deforestation?

- A) decreased nitrogen in the atmosphere
- B) decrease in topsoil in deforested areas
- C) decreased carbon dioxide in the atmosphere
- D) decreased runoff in deforested areas

Correct answer(s): B

2. Hydroelectric power is a renewable resource. However, there are disadvantages associated with its use. What is one disadvantage of hydroelectric power?

- A) The generation of electricity by hydroelectric power pollutes the air.
- B) Hydroelectric power releases chemicals that destroy ozone molecules in the atmosphere.
- C) Dams disrupt the natural flow of rivers.
- D) Water is heated and emptied into nearby lakes, changing the water temperature.

Correct answer(s): C

3. Increasing demands on water supply can affect the environment in many ways. Which of the following is NOT a likely result of humans' increasing demand on water supply?

- A) Overuse of groundwater in coastal areas can cause seawater to seep into the freshwater supply.
- B) Water pollution decreases.
- C) The building of dams and irrigation canals changes water flow, which affects local ecosystems.
- D) The volume of wastewater increases.

Correct answer(s): B

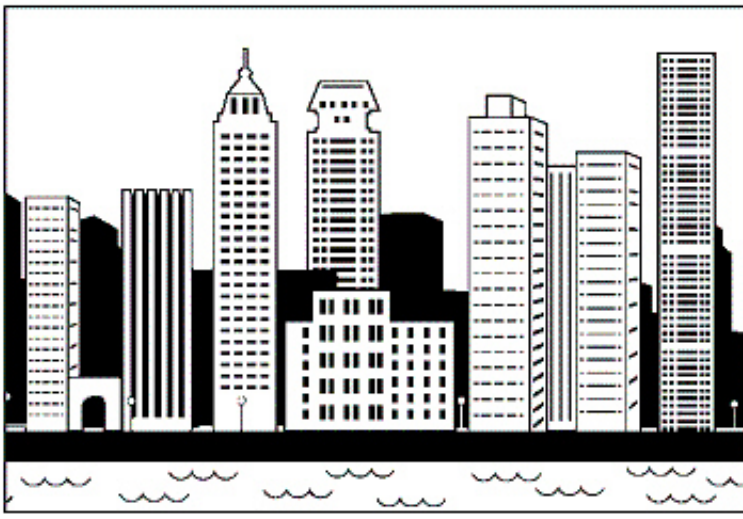
4. Much of the world's tropical rain forests have disappeared due to human activities. By the end of the 1990s, only about 5 percent of India's original forests were still standing. Which of the following is NOT a potential effect of deforestation?

- A) decreased biodiversity
- B) land degradation
- C) desertification
- D) increased oxygen in the atmosphere

Correct answer(s): D

5. The United Nations (UN) reports that at least 50 percent of the world's human population lives in cities, such as the one shown below. The UN estimates that by 2030 that number will jump to 60 percent, with nearly 2 billion new urban residents.

MAJOR CITY SKYLINE



What major effect might this rapid urbanization have on the environment?

- A) Urban sprawl in natural areas at the edges of cities will lead to loss of valuable plants and animals.
- B) Global warming will decrease because people will drive less often.
- C) Erosion and deposition will increase due to higher skylines.
- D) People will have less time for recreational activities.

Correct answer(s): A

6. Land erosion is a problem in certain parts of the country. Which agricultural activity is likely to result in the **most** land erosion?

- A) planting crops
- B) clearing land for crops
- C) planting ground cover
- D) mulching plowed areas

Correct answer(s): B

7. Desertification leads to desert-like conditions of the landscape. Which of the following human activities would **best** help prevent desertification?

- A) Build more roads.
- B) Manage water supplies.
- C) Allow animals to graze in deforested areas.
- D) Practice deforestation.

Correct answer(s): B

8. Human activities can affect plant growth. Suppose an industrial park is developed near a forested area. Which of the following environmental factors is **most** likely to affect the forest?

- A) air pollution
- B) decrease in temperature
- C) too much rainfall
- D) lack of rainfall

Correct answer(s): A

9. Air pollution from human activities is a major environmental concern. Which of the following does NOT result from air pollution?

- A) acid rain
- B) smog
- C) desertification

D) health problems

Correct answer(s): C

10. Water quality is a measure of the health of water supplies used for drinking and other important activities. Which human activity **most** directly affects water quality?

- A) fertilizing crops
- B) powering homes
- C) fishing
- D) driving cars

Correct answer(s): A

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