Ch 22

1. Which of the following processes is not primarily caused by humans?

a. air pollution

b. the greenhouse effect

c. thinning of the ozone layer

d. increased carbon dioxide levels

2. The extinction of species

a. is a problem limited to the tropics.

b. has been accelerated by the activities of people.

c. is a problem only where topsoil and groundwater are limited.

d. will not be a problem in the coming century.

3. Which of the following groups includes the greatest number of species?

a. mammals c. plants

b. insects d. vertebrates

4. Ecosystem disruption

a. threatens the existence of thousands of species.

b. increases biodiversity.

c. protects natural habitats.

d. has no effect on biodiversity.

5. Which of the following is a benefit of biodiversity to humans?

a. food c. medicines

b. timber d. All of the above

6. The steps needed to solve environmental problems include

a. waiting for the affected species to leave an ecosystem that is in trouble.

b. leaving the problems for the next generation to address.

c. educating the public about the problems and the costs of their solutions.

d. taking any necessary action, regardless of the consequences or adverse effects.

7. The biggest threats to the survival of endangered species include each of the following *except*

a. invasive species. c. ecotourism.

b. habitat destruction. d. hunting.

8. The destruction of the ozone layer could cause an increase in

a. global warming. c. biological magnification.

b. acid precipitation. d. skin cancer.

9. Chlorofluorocarbons (CFCs) in the atmosphere

a. cause ozone to be broken down.

b. change oxygen into ozone.

c. convert sunlight into ozone.

d. convert ozone into methane.

10. How can human populations live in a sustainable way?

a. by slowing or reversing human population growth

b. by developing new technologies

c. by reducing consumption of natural resources

d. All of the above