

Chapter 29 People and the Environment

Due June 12th

Read pgs. 234-239 and Answer questions: 1-26

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|------------|------------|
| 1.) _____ | 14.) _____ |
| 2.) _____ | 15.) _____ |
| 3.) _____ | 16.) _____ |
| 4.) _____ | 17.) _____ |
| 5.) _____ | 18.) _____ |
| 6.) _____ | 19.) _____ |
| 7.) _____ | 20.) _____ |
| 8.) _____ | 21.) _____ |
| 9.) _____ | 22.) _____ |
| 10.) _____ | 23.) _____ |
| 11.) _____ | 24.) _____ |
| 12.) _____ | 25.) _____ |
| 13.) _____ | 26.) _____ |

Chapter 30 Saving the Biosphere

Due June 12th

Read pgs. 246-250 and Answer questions: 1-17

Then complete Check for Understanding #5 (You received these in your last packet #41-50)

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| 1.) _____ | 10.) _____ |
| 2.) _____ | 11.) _____ |
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| 8.) _____ | 17.) _____ |
| 9.) _____ | |

YOU DID IT! ENJOY YOUR SUMMER!

- 41 What impact do the amounts of available energy, water, and oxygen have on an ecosystem?
- 1 They act as limiting factors.
 - 2 They are used as nutrients.
 - 3 They recycle the residue of dead organisms.
 - 4 They control environmental temperature.
- 42 Which human activity would have the most positive effect on the environment of an area?
- 1 using fire to eliminate most plants in the area
 - 2 clearing the area to eliminate weed species
 - 3 protecting native flowers and grasses in the area
 - 4 introducing a foreign plant species to the area
- 43 A forest is cut down and is replaced by a cornfield. A *negative* consequence of this practice is
- 1 an increase in the carbon dioxide released into the atmosphere
 - 2 an increase in the size of predators
 - 3 a decrease in biodiversity
 - 4 a decrease in the amount of soil that is washed away during rainstorms
- 44 A fire burns an oak forest down to bare ground. Over the next 150 years, if the climate remains constant, this area will most likely
- 1 remain bare ground
 - 2 return to an oak forest
 - 3 become a rain forest
 - 4 become a wetland
- 45 Which result of technological advancement has a positive effect on the environment?
- 1 development of new models of computers each year, with disposal of the old computers in landfills
 - 2 development of new models of cars that travel fewer miles per gallon of gasoline
 - 3 development of equipment that uses solar energy to charge batteries
 - 4 development of equipment to speed up the process of cutting down trees
- 46 Ecosystems will have a greater chance of maintaining equilibrium over a long period of time if they have
- 1 organisms imported by humans from other environments
 - 2 a sudden change in climate
 - 3 a diversity of organisms
 - 4 predators eliminated from the food chains
- 47 Which process helps reduce global warming?
- 1 decay
 - 2 industrialization
 - 3 photosynthesis
 - 4 burning
- 48 Which human activity will most likely have a *negative* effect on global stability?
- 1 decreasing water pollution levels
 - 2 increasing recycling programs
 - 3 decreasing habitat destruction
 - 4 increasing world population growth

49 In an ocean, the growth and survival of seaweed, small fish, and sharks depends on abiotic factors such as

- 1 sunlight, temperature, and minerals
- 2 sunlight, pH, and type of seaweed
- 3 number of decomposers, carbon dioxide, and nitrogen
- 4 number of herbivores, carbon, and food

50 Many species of plants interact with harmless underground fungi. The fungi enable the plants to absorb certain essential minerals and the plants provide the fungi with carbohydrates and other nutrients. This describes an interaction between a

- 1 parasite and its host
- 2 predator and its prey
- 3 scavenger and a decomposer
- 4 producer and a consumer