

**The Biosphere  
Human Impact on Ecosystems  
Study Guide**

1. What is a renewable resource?
2. What is the pH of normal rain?
3. Burmese pythons introduced in the Everglades could be become a threat to:
  - a. Endangered birds
  - b. Humans
  - c. Large mammals
  - d. Kudzu
4. A highway that keeps an organism from using its entire home ranges causes \_\_\_\_\_.
5. Which level of food chain is most affected by biomagnification? (Hint: producers or tertiary consumers)
6. Tiny-free floating animals that live in water are called \_\_\_\_\_.
7. The increase in global temperature is known as \_\_\_\_\_.
8. Trees that drop their leaves during the cold are known as deciduous OR coniferous.
9. Why is firewood considered to be a renewable resource?
10. How has the introduction of kudzu affected native species in the southeastern United States?
  - a. It has increased erosion, so native plants cannot grow.
  - b. It has attracted animals that eat native plants.
  - c. It has helped native plants survive harsh weather.
  - d. It has covered native plants, depriving them of sunlight.
11. Which biome is characterized by very low temperatures, little precipitation, and permafrost?
12. How many people can Earth support? (Hint: Chapter 16)
13. The greenhouse effect is

14. Why are frogs sensitive to pollutants in water?
- They need low-oxygen conditions
  - They have water-soluble skin
  - They have a small body mass
  - They are not an indicator species
15. Canned tuna from small fish is generally considered to be safer to eat than canned tuna from large fish. Large fish have more pollutants
- Because they live in more polluted water
  - Because they drink more water
  - Due to their larger surface area
  - Due to biomagnification
16. The water in a drinking fountain comes from which Earth system? (Four Major Interconnected Systems)
17. Which two areas are not considered biomes?
- Polar ice caps and chaparral
  - Chaparral and grassland
  - Polar ice caps and mountains
  - Mountains and tundra
18. Which statement best describes Earth's human carrying capacity? It is
- Decreasing due to increasing population
  - Increasing due to improved technology and medicine
  - Decreasing due to decreasing death rates
  - A fixed number that we will soon exceed
19. The uppermost layer of branches in rain forest trees is called the \_\_\_\_\_.
20. Because the manatee is an umbrella species, protecting it may lead to (Hint: what does an umbrella species do?)
21. The average year after year conditions of temperature and precipitation in a particular region is the region's \_\_\_\_\_.
22. The Florida Everglades is an example of an aquatic (Hint: a place where abiotic and biotic factors exist).
23. The tropical rainforest biome supports dense forests. However, if the forests are cut down, the land may become barren. Why is this? (Hint:, What is the soil like in the tropical rainforest?)
24. Trees on Easter Island were cut faster than they could grow, so they became nonrenewable OR renewable resources.

25. A biome is identified by its particular set of abiotic factors and its \_\_\_\_\_.
26. What factors interact to produce smog? (Hint: two items combine to make smog)
27. In what biome is biodiversity the highest
28. Why are fossil fuels an example of a nonrenewable resource?
29. Earth's population is about?
30. The amount of land needed to support a person is called his or her \_\_\_\_\_.
31. What would Earth be like without the greenhouse effect?
32. What is the soil like in a tropical rainforest?
33. A predator might control an introduced species by
34. A region's climate is based upon \_\_\_\_\_.
35. If I am describing the the sky is clear and sunny, what are these conditions called? Climate OR Weather.