

WHAT IS ECOLOGY?

1. What is ecology?
2. What are some of the physical factors which determine which plants and animals can live in a particular biome?

A typical food chain might be: grass-grasshopper-toad-snake-hawk.
3. What is the energy source of all life in this food chain?
4. What organisms are classified as producers? consumers?
5. What organisms are classified as herbivores? carnivores?
6. In the predator-prey relationship, what is meant by “nature is not sentimental?”
7. How do scavengers differ from decomposers?
8. Why are algae so important to life in a pond?
9. In the parasite-host relationship, what is meant by “a wise parasite does not kill his host?”
10. Be succession, ponds and lakes are always filling in to, someday, become dry land. Why?
11. Name some adaptations of desert plants.
12. What part of the earth makes up its biosphere?
13. Give an example of how nature is continually involved in recycling.
14. Give an example of biological controls in combating harmful insect pests.
15. Give some examples of how man has universally damaged his environment. Can we keep the ecosystem we call Earth alive and well?