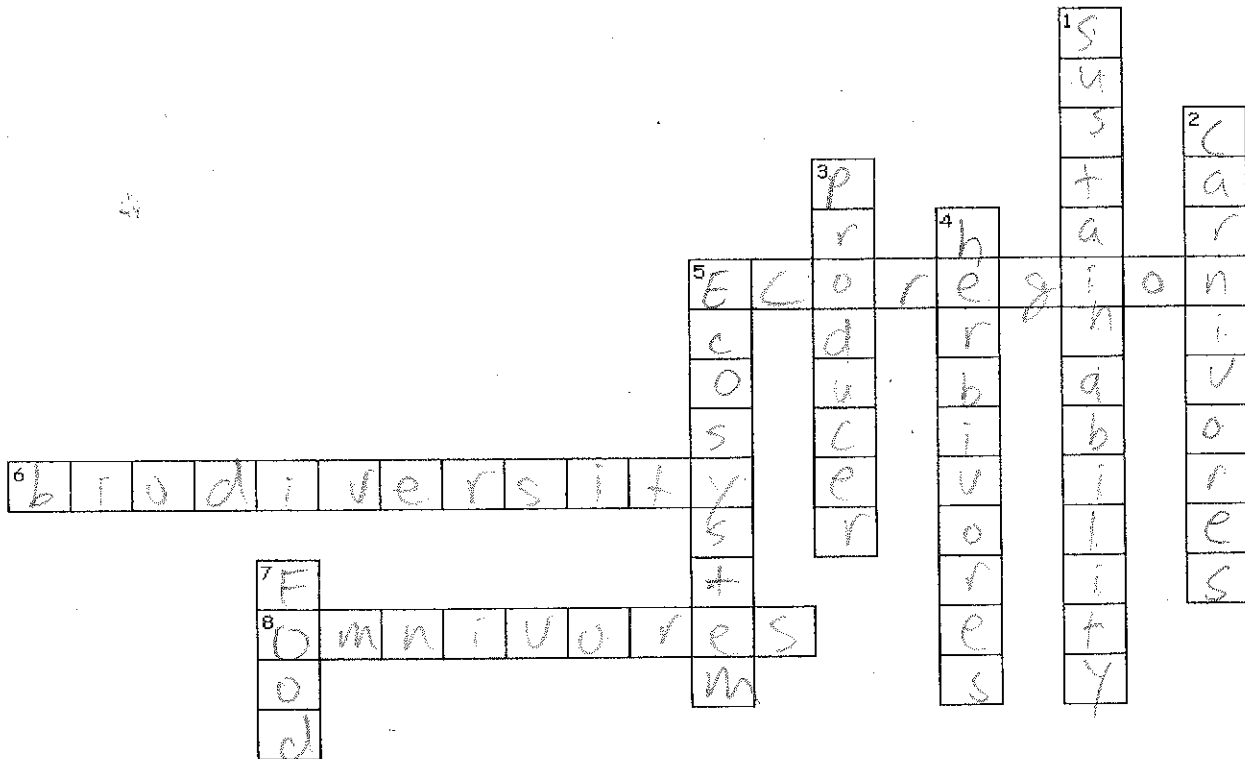


Key Ecosystem Crossword



Across

5. ecologically and geographically defined area that is smaller than an ecozone and larger than an ecosystem.
6. degree of variation of life forms within a given ecosystem, biome, or an entire planet.
8. organisms that eat both plants and animals.

Down

1. describes how biological systems remain diverse and productive over time.
2. organism that eats meat.
3. an organism that makes its own food from photosynthesis.
4. organisms that feed on producers.
5. biological environment consisting of all the organisms living in a particular area, as well as all the nonliving, physical components of the environment with which the organisms interact
7. chain representations of the predator-prey relationships between species within a habitat.

Food Chains and Food Webs

INTERPRETING GRAPHICS

1-4. Answers may include any of the following food chains:

Chain 1—algae, krill, Adelie penguin, leopard seal, killer whale

Chain 2—algae, krill, cod, leopard seal, killer whale

Chain 3—algae, small animals and protists, krill, crabeater seal, killer whale

Chain 4—algae, small animals and protists, krill, Adelie penguin, killer whale

Chain 5—algae, small animals and protists, krill, crabeater seal, leopard seal, killer whale

Chain 6—algae, krill, crabeater seal, leopard seal, killer whale

Chain 7—algae, krill, crabeater seal, killer whale

Chain 8—algae, krill, Adelie penguin, killer whale

5. krill, algae, small animals, and protists
6. leopard seal, killer whale, and elephant seal
7. one; algae
8. A
9. C
10. B
11. B; each higher level on the pyramid contains only 10 percent of the biomass found in the trophic level below it. Ecologists measure biomass to determine the amount of energy present in a trophic level.