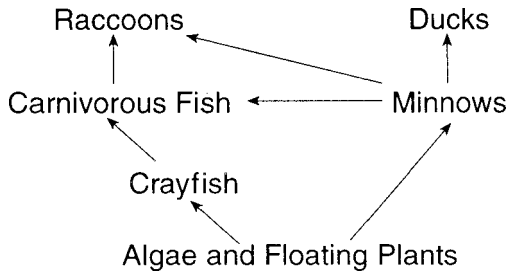
food webs two star

Name: _____ **Date:** _____

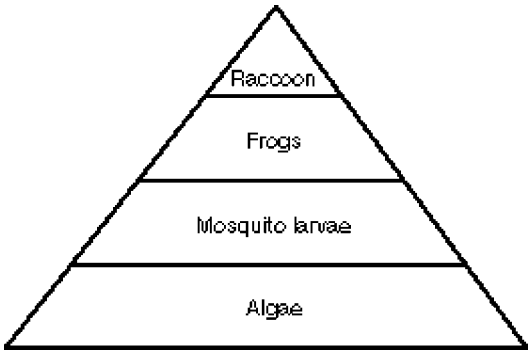
1. The diagram below illustrates the relationships between organisms in an ecosystem.



In addition to sunlight, which factor would need to be added to make this a stable ecosystem?

A. predators
B. prey
C. decomposers
D. herbivores

2. Base your answer(s) to the following question(s) on the diagram accompanying and on your knowledge of biology.



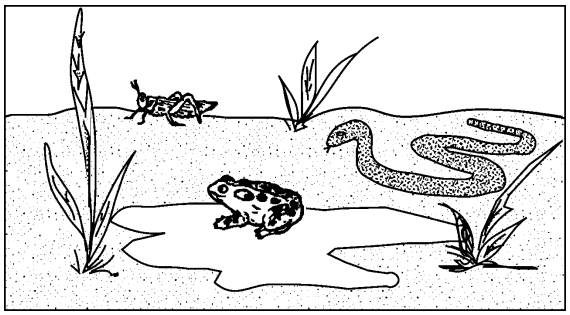
Explain why each level of the pyramid decreases in area from bottom to top.

3. Describe the role of scavengers in an ecosystem.

4. A food web is more stable than a food chain because a food web

A. transfers all of the producer energy to herbivores
B. reduces the number of niches in the ecosystem
C. includes alternative pathways for energy flow
D. includes more consumers than producers

5. Base your answer(s) to the following question(s) on the diagram below and on your knowledge of biology.



The base of an energy pyramid for this ecosystem would include a

A. frog
B. snake
C. plant
D. grasshopper

food webs two star 05/11/2015

1.
Answer: C

2.
Answer: There is less energy available at each succeeding level. or Energy is lost as heat at each level.

3.
Answer: Scavengers remove dead organisms from the environment. or Scavengers break down dead organisms.

4.
Answer: C

5.
Answer: C