**FOOD WEBS - QUIZ**

Based on your current knowledge answer the following questions about the food chains illustrated and the food web you have created above.

1. What is the source of the original energy for this food chain?

a) the rabbit

b) the grasses

c) the hawk

d) the sun

2. Which of the following best describes the role of the grasses in this food chain?

a) animal shelter

b) source of seeds

c) a source of energy

d) place for nests

3. In this food web, which of the following pairs of organisms are capable of producing energy?

a) bacteria and lice

b) grasses and grains, and shrubs

c) shrubs and lice

d) grasses and grains, and insects

4. In this food web, which are the highest order consumers?

a) the birds and rabbits

b) the foxes and owls

c) the wolves and hawks

d) the grains and shrubs

5. If all of the snakes were wiped out, what would first happen to the population of rabbits?

a) It would increase.

b) It would decrease.

c) It would remain the same.

d) It is impossible to predict the outcome.

6. If all of the snakes were wiped out, what would happen to the population of hawks?

a) It would increase.

b) It would decrease.

c) It would remain the same.

d) It is impossible to predict the outcome.

7. In this food web, which of the following organisms could most likely be called third order consumers?

a) wolves and shrubs

b) insects and owls

c) rabbits and foxes

d) wolves and hawks

8. Which of the following best describes the lice attached to the skin and feeding on the tissue of the rabbit?

a) producer

b) first order consumer

c) second order consumer

d) third order consumer

9. If carbon dioxide disappeared from the biosphere, which of the following would be affected first?

a) first order consumers

b) producers

c) second order consumers

d) decomposers

10. In terms of the numbers of individual organisms represented in this food web, which of the following statements would be correct?

a) There are more hawks than rabbits.

b) There are more wolves than insects.

c) There are more insects than hawks.

d) There are more snakes than shrubs