

Earthworm													
Fox													
Hawk													
Insects (small)													
Land snail													
Mouse													
Owl													
Rabbit													
Raccoon													
Robin													
Snake													
Sparrow													

Part B: Making a Food Web

A. Use the information in the food chains given above to complete your diagram. Draw an arrow from each living thing below to each thing that eats it. The first arrow in any food chain (between producer and primary consumer) should be green, the second (between primary consumer and secondary consumer) should be blue, the third (between secondary and tertiary consumer) should be red and the fourth should be yellow. Also, draw your lines so they bend around the animal names. This will make your food web easier to read when you finish.

Questions:

1. In how many food chains do the following animals appear?

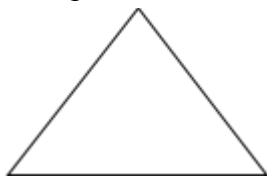
hawk _____ earthworm _____ fox _____ owl _____ snake _____ small insects _____

2. What would happen to the food web if all the plants were removed? _____

Explain your answer. _____

3. Describe how 3 animals might be affected if owls were removed from the food chain. _____

4. Since only 10% of the energy produced by a level in a food chain is passed on to its predator, there have to be many more “prey” than “predators”. Draw a food pyramid of the first food chain listed in Part A. Remember that there are more producers than primary consumers, more primary consumers and secondary consumers, etc.



5. If 2000 kcal of energy are available in grass, how much energy would be available to the cow that eats the grass? To the human that eats the cow?

6. Which organism in this food web has the greatest influence on the ecosystem? Justify your answer.