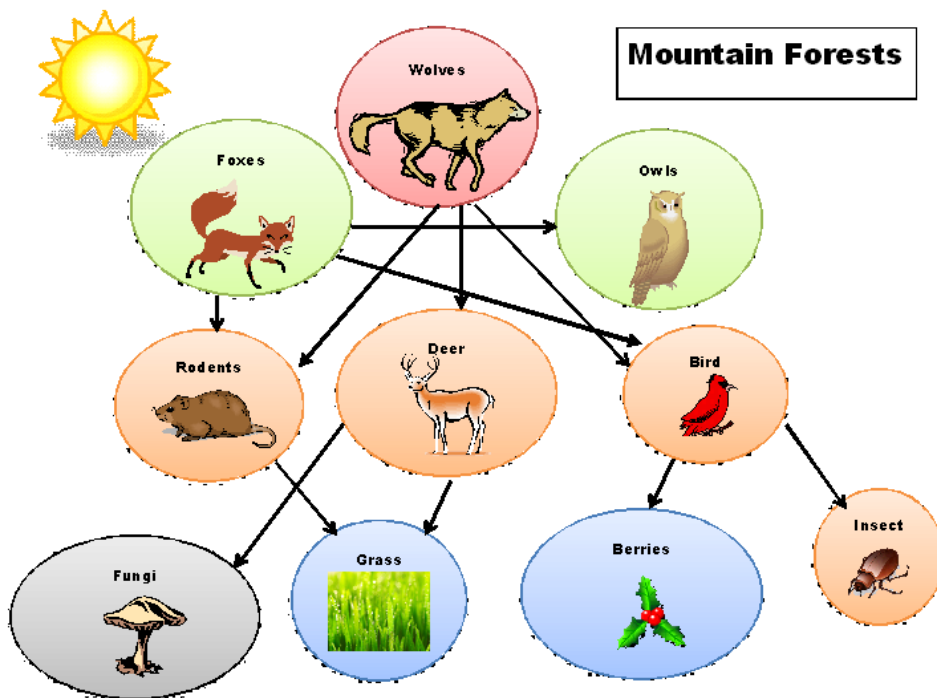


Energy Final Review

1. Living organisms get their energy to move and do work from eating food. Create a diagram tracing the path of energy from the original energy of the sun used by plants to mechanical energy in a human.
2. Study the lists below. Circle which sequence shows the best path of energy that allows animals to move?
 - a. photosynthesis --> light energy --> mechanical energy --> respiration
 - b. mechanical energy --> light energy --> photosynthesis --> respiration
 - c. light energy --> photosynthesis --> respiration --> mechanical energy
 - d. respiration --> light energy --> photosynthesis --> mechanical energy
3. List three specific organisms that produce and get energy from sunlight?

Members of this forest community get materials they need to survive from the ecosystem. These materials are constantly being recycled.

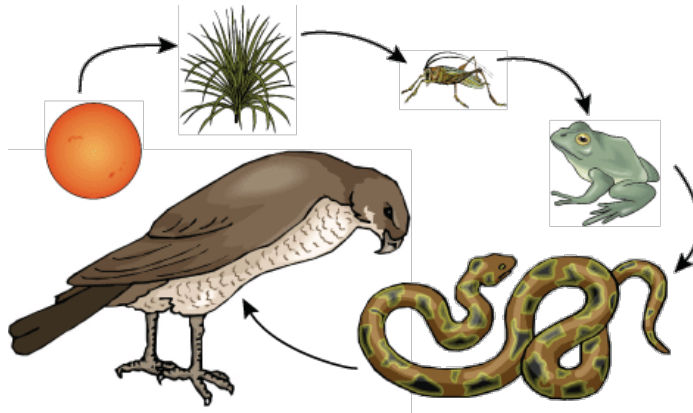
4. Explain what would happen to the population of wolves if the foxes were removed.



Name: _____

5. Select all the predators in this food chain.

- a. Sun
- b. Cricket
- c. Frog
- d. Snake
- e. hawk



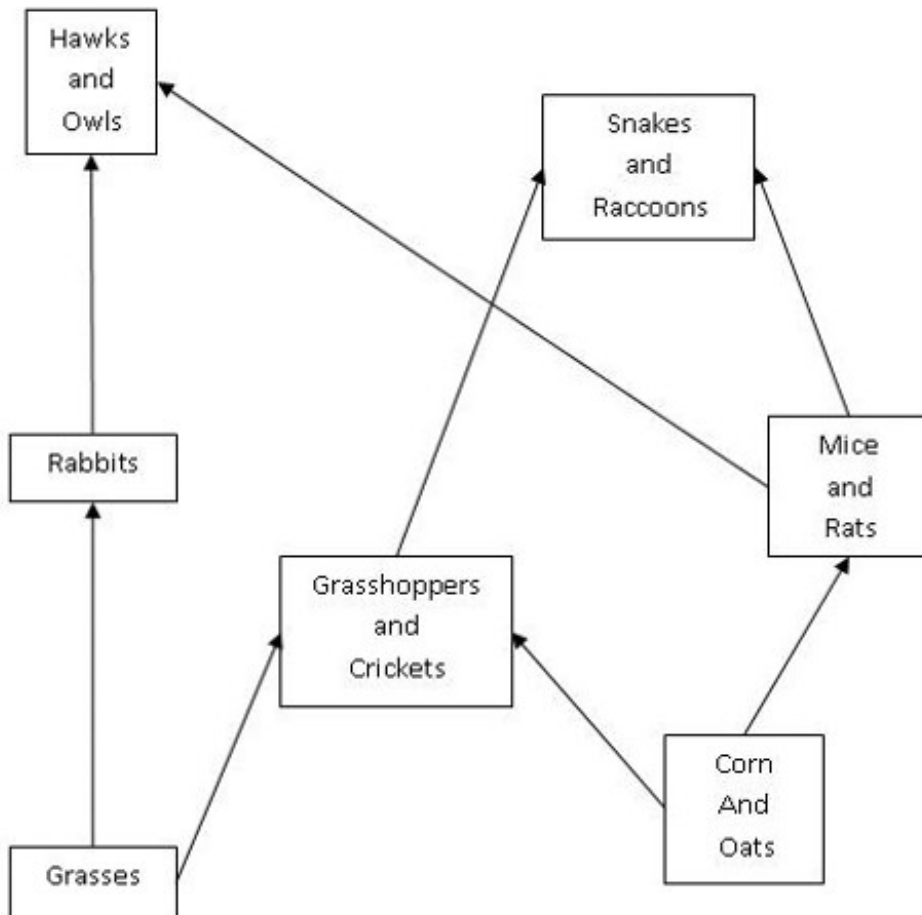
6. Place the following items in the correct category according to the role they play in a food web: rose, maple tree, fox, grass, antelope, mice, aspen tree, cougar, hawk, snake, insect

Producers	Herbivores/ Primary Consumers	Carnivores/ Secondary Consumers

7. Please identify each of the following statements as an observation or inference about the effects of humans on the environment. (O= observation, I = inference)

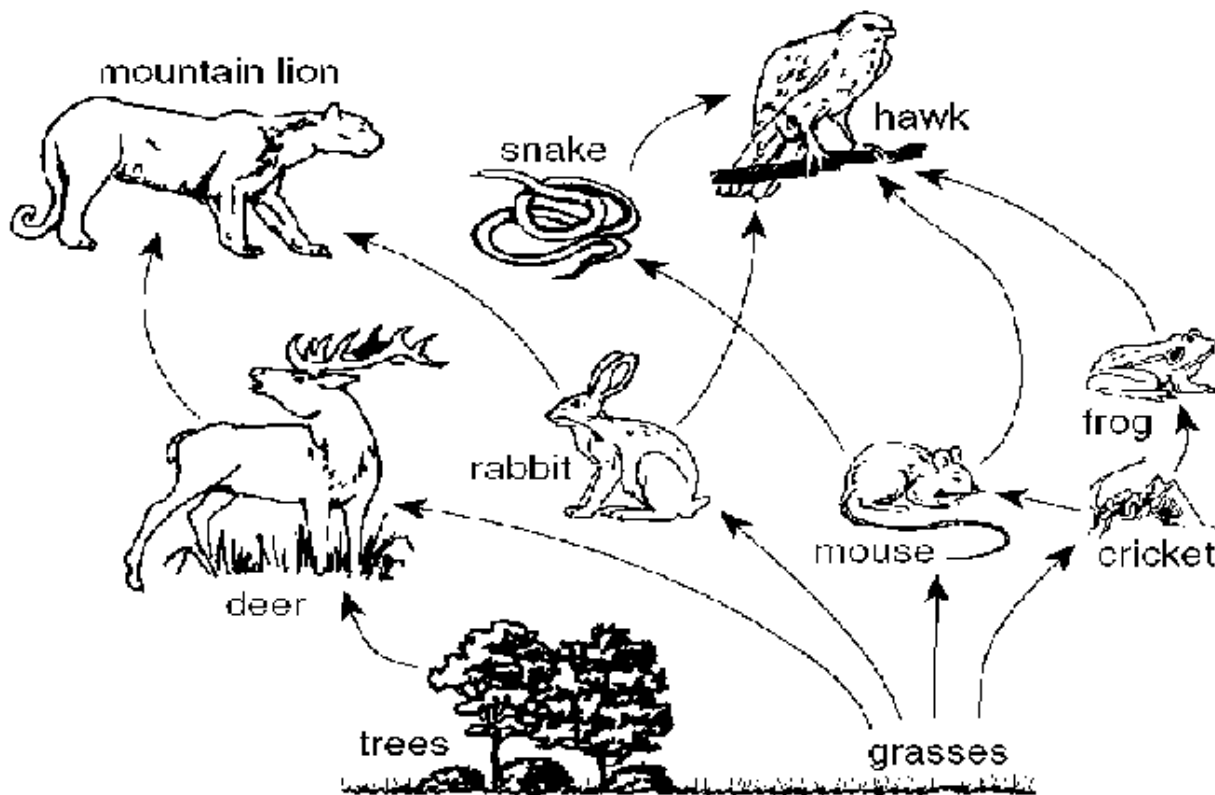
The population of deer decreased by 30% after humans cleared forest habitat.	A.
Chemicals released by a factory are found in nearby rivers and ponds.	B.
If humans move into a new area, wild animal populations seem to decrease.	C.
Chemicals released by factories will probably kill fish and frogs.	D.

Study the food web below.



8. If humans hunt and kill most of the snakes and raccoons in this habitat, list and explain at least two possible effects on the ecosystem.

Study the following food web.



9. Humans move into the ecosystem represented by the food web. Please predict and explain at least three possible effects. Please name specific organisms and specific effects.