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8.3

Life Systems Final Review

8.3.1

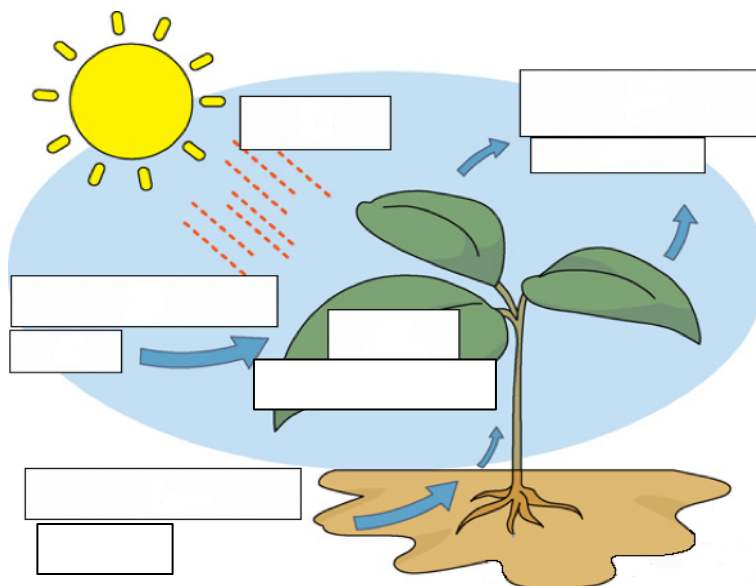
1. List three specific organisms that produce and get energy from sunlight?
 - a. _____
 - b. _____
 - c. _____
2. Write the equation for **photosynthesis** using the common names below.

3. What is the purpose of **photosynthesis**?

4. Fill in the reactants and products of photosynthesis.

Reactants	Products

5. Label the diagram with the following terms: **Oxygen, O₂, Carbon Dioxide, CO₂, Sugar, C₆H₁₂O₆, Water, H₂O, Sunlight**



8.3.2

6. Circle **all** organisms that release energy using cellular respiration?

Sunflower
Daisy

Cow
Human

Cricket
Tree

Algae
Dog

7. Write the equation for **cellular respiration** using the common names below.

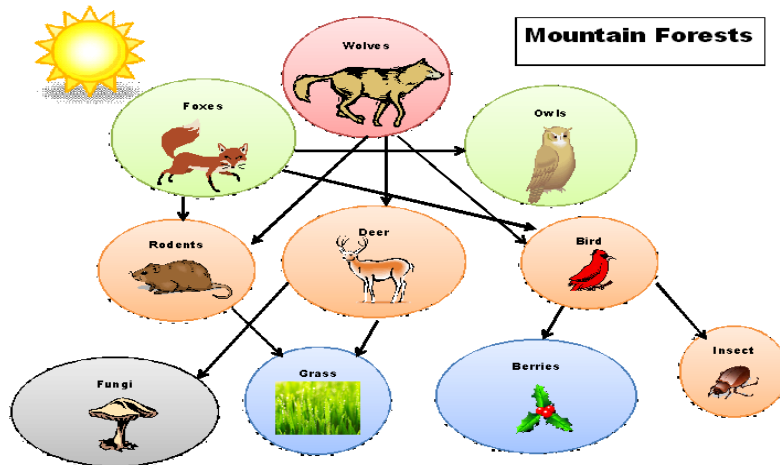
8. What is the purpose of **cellular respiration**?

9. Fill in the reactants and products of cellular respiration.

Reactants	Products

8.3.3

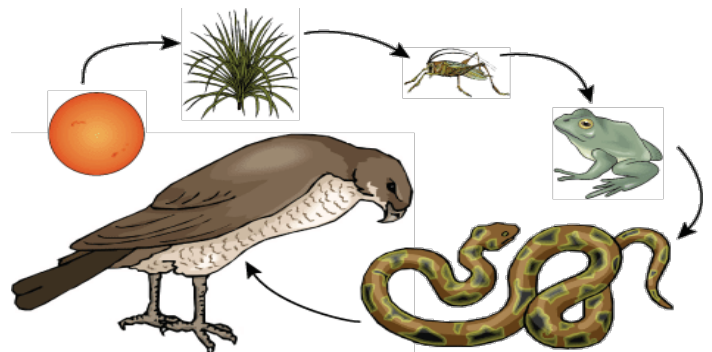
Members of this forest community get materials they need to survive from the ecosystem. These materials are constantly being recycled.



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

11. Select all the predators in this food chain.

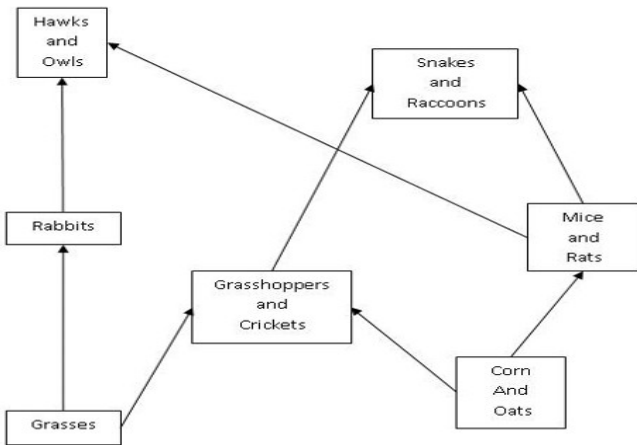
- a. Sun
- b. Cricket
- c. Frog
- d. Snake
- e. hawk



12. 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

Study the food web below.

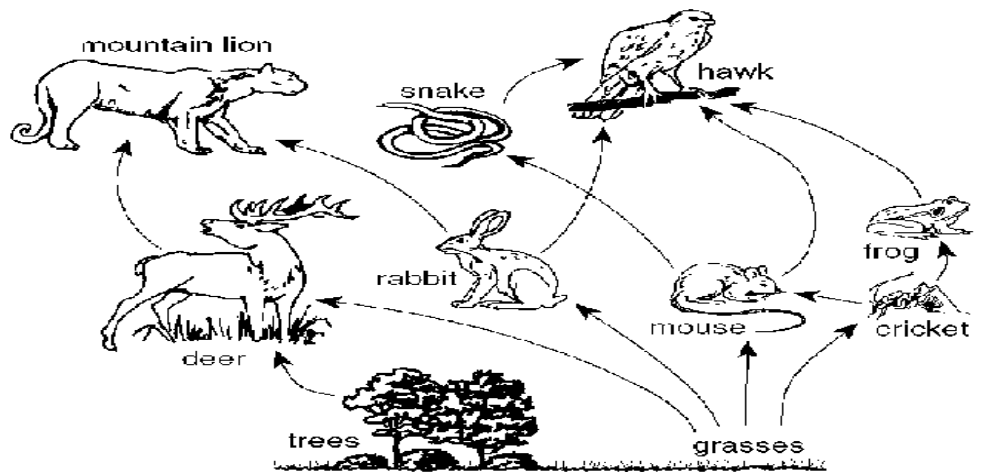


13. If humans hunt and kill most of the snakes and raccoons in this habitat, list and explain at least two possible effects on the ecosystem.

- a.
- b.

Study the following food web.

14. 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.



- a.
- b.
- c.

