

### Biology, 2nd 9 Weeks, Week 2.6-2.7 Warm-up 1

Directions: Answer the following questions using your journal as a resource and provide a justification for each question.

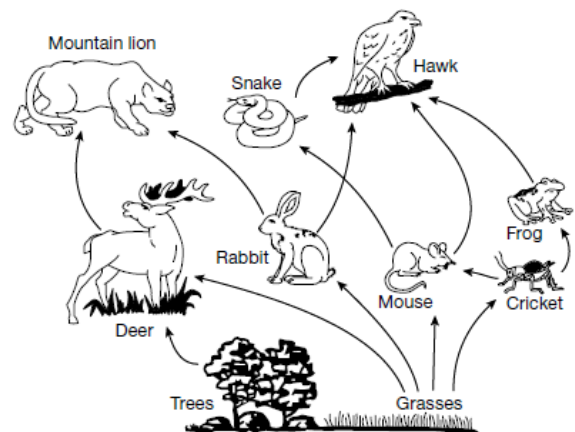
1. Which describes a commensalistic relationship?
  - a. A tapeworm attaches itself to the intestine of an animal where it absorbs food from the animal and weakens it.
  - b. Two species of birds eat the same kind of berry. The berries are in limited supply.
  - c. A remorah fish attaches to a larger fish and eats the food scraps left behind by larger fish. The larger fish are not affected.
  - d. A photo synthetic algae grows inside a bubble coral and provides food for it. The coral provides shelter for the algae.

Justification

2. In a meadow food chain, which is the correct sequence of the path of energy flow?
  - a. hawk → snake → mouse → grass
  - b. mouse → grass → hawk → snake
  - c. grass → mouse → snake → hawk
  - d. snake → mouse → hawk → grass

Justification

3. Animals that feed on producers like the grasses in the diagram are in the -
  - a. first trophic level
  - b. second trophic level
  - c. third trophic level
  - d. fourth trophic level



Justification

4. The number of trophic levels in an ecological pyramid -
  - a. is limitless
  - b. is limited by the amount of energy that is lost at each trophic level
  - c. can vary but never exceeds three
  - d. can vary but always exceeds three

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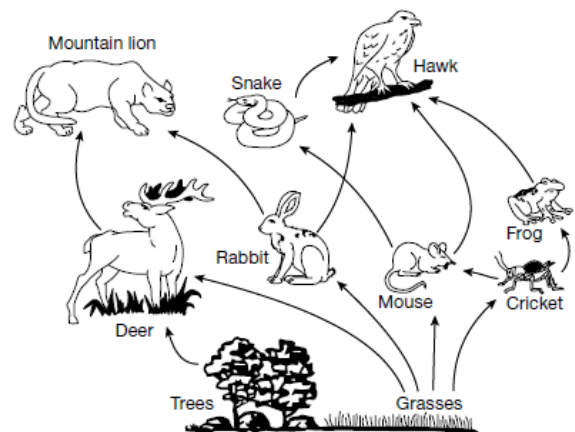
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