

Question #3

If there were no decomposers in the ecosystem, what would happen?

- A An animal would become a decomposer.
- B Plants would become decomposers.
- C The ecosystem would experience no changes.
- D The nutrients in the ecosystem would decrease.

Question #4

Eagles and owls both eat frogs. Which statement *best* describes how eagle and owl populations can both survive in the same ecosystem?

- A Both eagles and owls are also plant eaters.
- B Eagles and owls inhabit different niches.
- C Both eagles and owls eat at the same time of day.
- D Eagles and owls compete with each other.

Question #5

Materials are recycled in nature.

Which example shows how nature recycles?

- A** Seagulls walking on the beach move the sand around.
- B** A rough mountain is made smooth by weathering.
- C** A dead animal decays and becomes a skeleton.
- D** Water in a pond freezes over in the winter.

Question #6

If the number of herbivores in an ecosystem *increases*, which organisms would be *most positively affected*?

- A** carnivores
- B** decomposers
- C** omnivores
- D** producers

Question #7

If the number of producers in an ecosystem *decreases*, which type of organisms would be affected *first*?

- A carnivores
- B decomposers
- C herbivores
- D omnivores

Question #8

What would happen *first* if an area of the forest was clear cut?

- A There would be more rain in that area.
- B There would be more animals living in that area.
- C There would be fewer homes for the animals that live there.
- D More plants would grow back to replace those that were lost.

Question #9

If producers were unable to make their own food, which group of organisms would be *most* affected?

- A omnivores
- B herbivores
- C consumers
- D carnivores

Question #10

If decomposers suddenly ceased to exist, what group of organisms would be affected *first*?

- A producers
- B herbivores
- C consumers
- D carnivores

Question #13

Many things can threaten the survival of animal species.

What would be the *greatest* threat to a large predator like the mountain lion?

- A** a decline in the number of plants
- B** global climate changes
- C** a decline in the number of other predators
- D** a decline in large wilderness areas

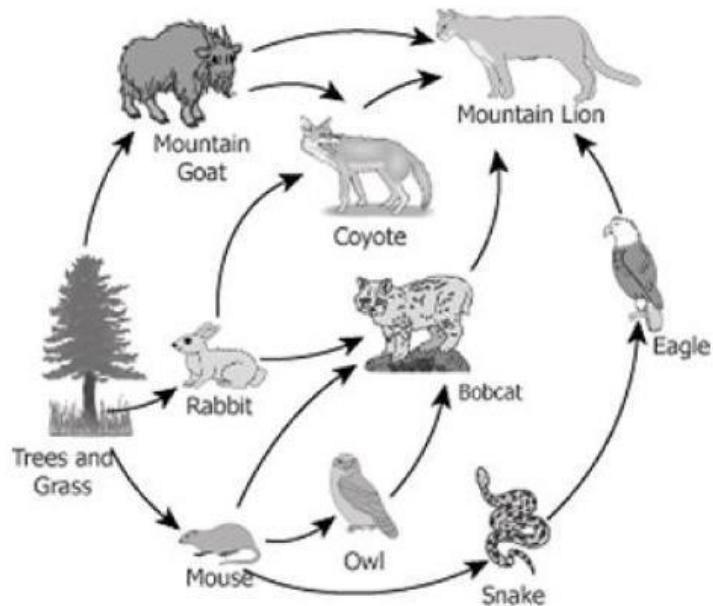
Question #14

If one animal in the food chain becomes extinct, how does that affect the food chain?

- A** It will have no effect on the food chain.
- B** The animals at the top of the food chain will be affected.
- C** The animals at the bottom of the food chain will be affected.
- D** It will effect the entire food chain.

Question #72

The diagram shows a food web of a mountain forest ecosystem.

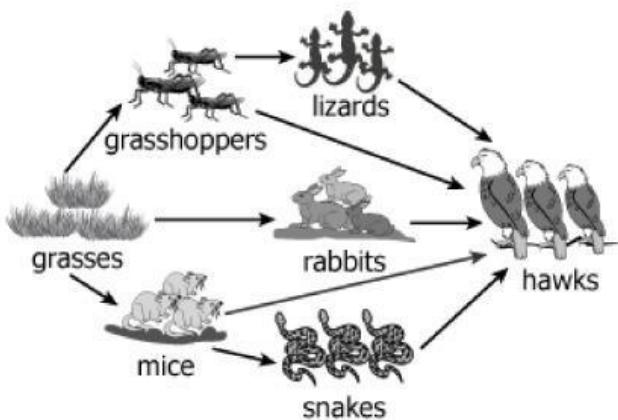


Which change is *most likely* to have a positive effect on the population of the Bobcat in the ecosystem?

- A** increase in the population of the Mountain Lion
- B** increase in the population of the Mountain Goat
- C** decrease in the population of the Mouse
- D** decrease in the population of the Rabbit

Question #80

Use the diagram which shows a simple grassland food web to answer the question.

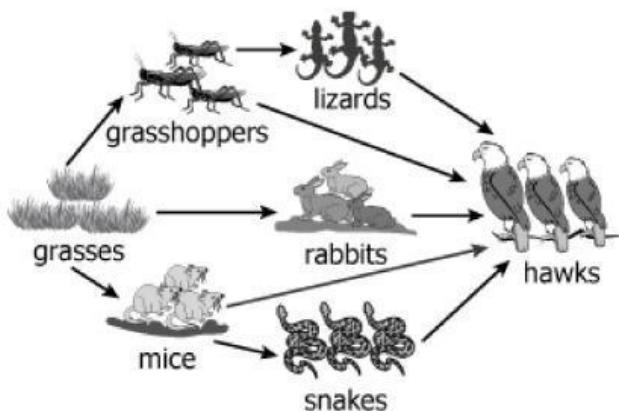


Which statement about the food web is true?

- A** Snakes feed on mice and lizards for food.
- B** Hawks feed on mice and snakes for food.
- C** Mice feed on grasses and lizards for food.
- D** Lizards feed on grasshoppers and rabbits for food.

Question #81

Use the diagram which shows a simple grassland food web to answer the question.



What will happen if snakes are removed from the food web?

- A** The population of lizards will increase.
- B** The population of rabbits will increase.
- C** The population of hawks will increase.
- D** The population of mice will increase.