

Science: Ecosystems Study Guide

Name _____ Date _____

L1: Students will describe the roles of organism and the flow of energy within an ecosystem.

What is the major difference between plants and animals? (Hint: Referring to food)

What is a decomposer?	
Give an example of a decomposer.	

What is a producer?	
Give an example of a producer.	

What is a consumer?	
Give an example of a consumer.	

Which organism eats only consumers?

Which group of organisms receives its energy directly from the Sun?

What is a plant that is a producer and a consumer. _____?

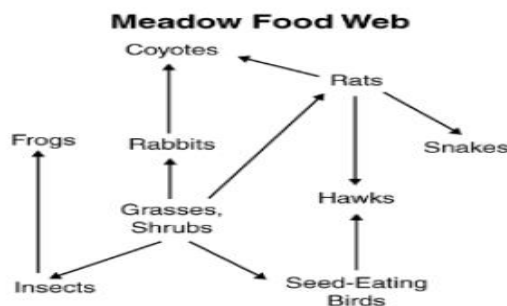
Explain why the _____ can be classified as both a producer and consumer.

What is a food web?

What happens if a producer or a consumer is removed from a food web?

Draw your own food web using plants, mice, rabbits, and foxes.

A food web for a meadow is shown. The removal of which populations of organisms would have the greatest impact on the food web?



What would happen to the rabbit population if all coyotes were removed?

What would happen to the rabbit population if all vegetation was removed?

Would the removal of coyotes or vegetation have a greater impact on the food web?

As human populations increase, wild animals move to new locations. Why do these animals to move?

Science: Adaptations Study Guide

Name _____ Date _____

L2: Students will identify factors that affect the survival or extinction of organisms such as adaptation, variation of behaviors (hibernation), and external features (camouflage and protection).

What is a disadvantage for baby animals that are born too early before spring?

Some animals do not drink water. They get the water they need from the food they eat. In which ecosystem would this adaptation be most necessary?

Which adaptation has helped penguins survive in the cold Arctic climate?

Why would some tigers develop striped fur while other tigers have white fur?

Why do some animals that live in the arctic develop white fur?

Why do some desert snakes developed a brown color?

Why have armadillos (ant eaters) developed long snouts?

Why have dogs developed a great sense of smell?

Why have hawks and eagle developed great eyesight?

Animals that burrow (dig deep) into the ground have developed _____ claws.

Why do Chameleons able to change the color of their skin?

Why do some flowers smell sweet to bees and hummingbirds?

Why has a skunk developed the ability to spray a foul smelling spray?