

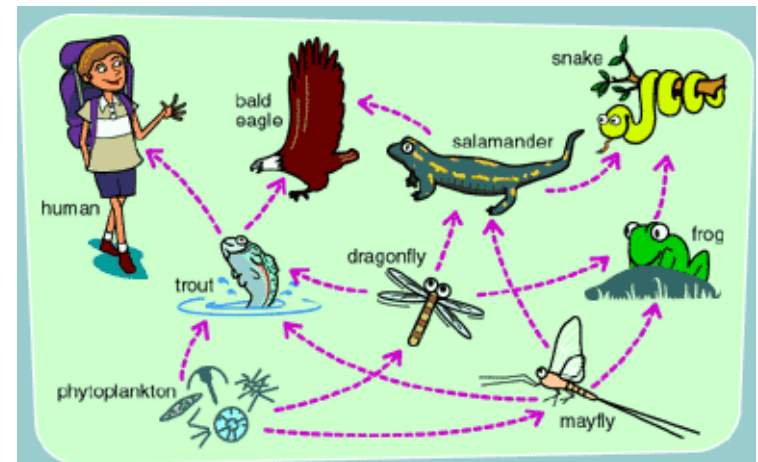


# Ecosystems and Animal Survival



# Ecosystems Vocabulary

- **Consumer**- an animal that eats plants or other animals
- **Producer**- can make its own food
- **Decomposer**- a living thing that feeds on remains of plants of plants and animals
- **Ecosystem**- the living and non living things in an area
- **Food Chain**- movement of energy in a sequence
- **Habitat**- environment that meets the needs of living things
- **Niche**- the role of a living thing
- **Population**- a group of the same kind of living things in an ecosystem



# Producers, Consumers, Decomposers

- Producer- can make its own food
  - Grass, flowers, trees
- Consumer- animal that eats plants or other animals
  - Three types of consumers
    - Herbivore-eats plants only
    - Carnivore-eats meat only
    - Omnivore-eats both plants and meat
- Decomposer- feeds on remains of plants and animals
  - Mushrooms, buzzards

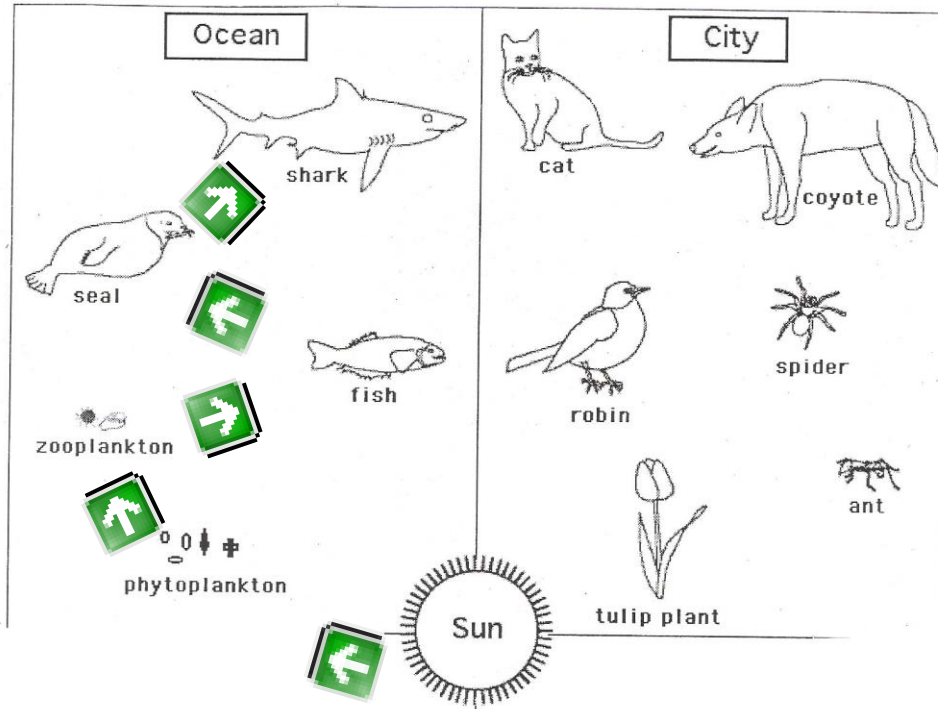


# Decomposer Review Question

- Mushrooms are growing on a stump of a dead tree. What is the role of the mushroom and what will happen to the stump? Will it decay faster or slower with the mushrooms there?



# Food Chains-the arrow points to what it feeds



**Can you do  
it on your own?**

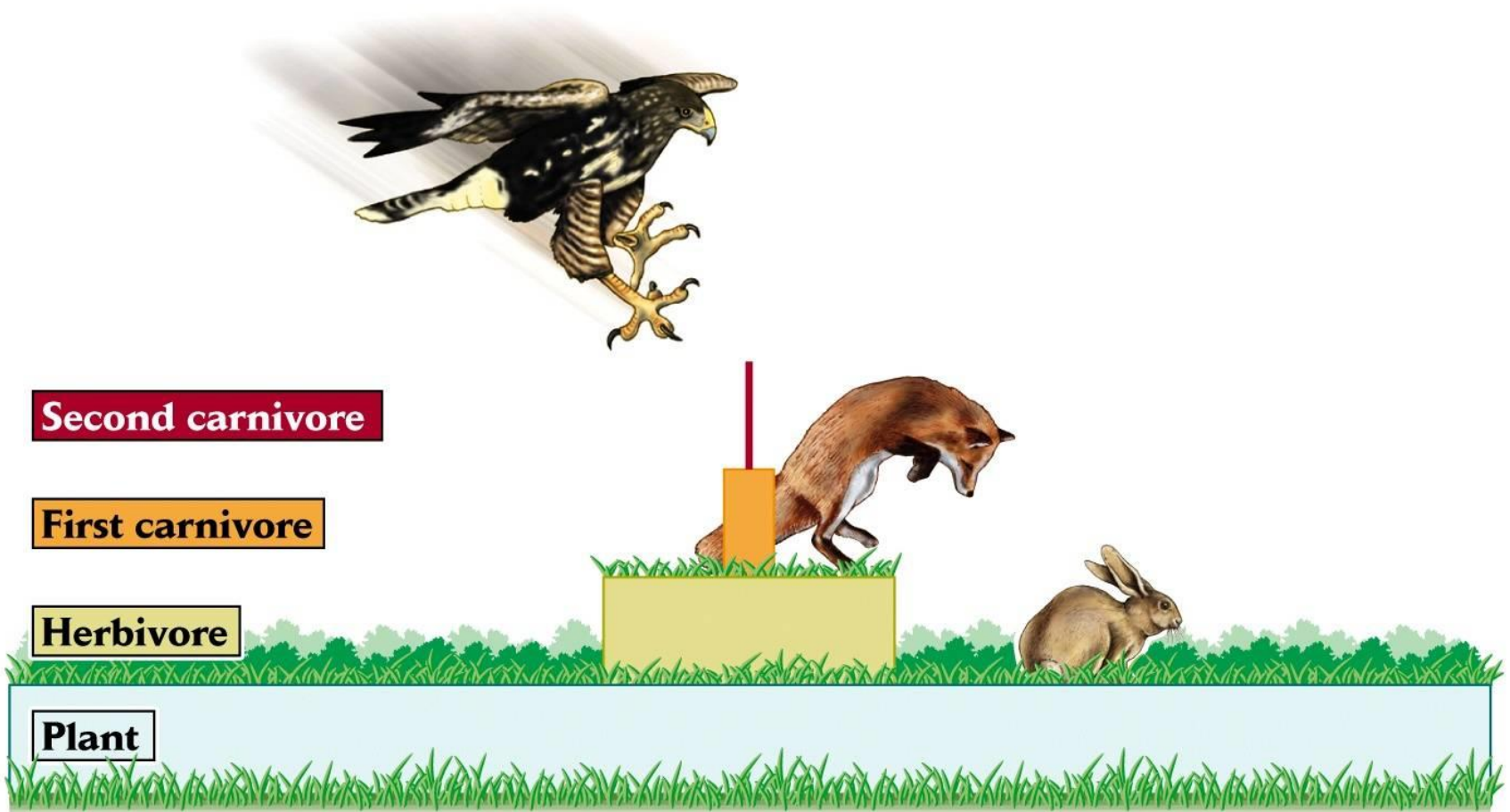
# Upsetting the Balance

Causes and Effects.....What do you think will happen when.....

- Too many animals and only a few plants?
  - Plants will become scarce and animals will not have enough food, causing them to leave the area or starve
- Habitat experiences a drought?
  - Available resources will decrease
- Bobcats move into a new area where there are a lot of rabbits?
  - Rabbit population will decrease, while the bobcat population increases
- Trees are cut down to make a new neighborhood?
  - Plants will decrease, animals will have to relocate in order to survive



The diagram shows a simple food chain.  
Describe the role of one organism in this food chain.  
Predict what would happen if you took one of these organisms away



# Adaptations for Survival Vocabulary

- **Adaptation**- a body part or behavior that helps a living thing survive
- **Camouflage**- an adaptation that helps an animal hide from predators (blend in)
- **Extinction**- the loss of a kind of living thing
- **Endangered**-A species in such small numbers that it is at risk of extinction
- **Hibernation**- an inactive state during which normal body activities slow
- **Instinct**- behavior that an animal is born with
- **Migration**- movement from one area to another



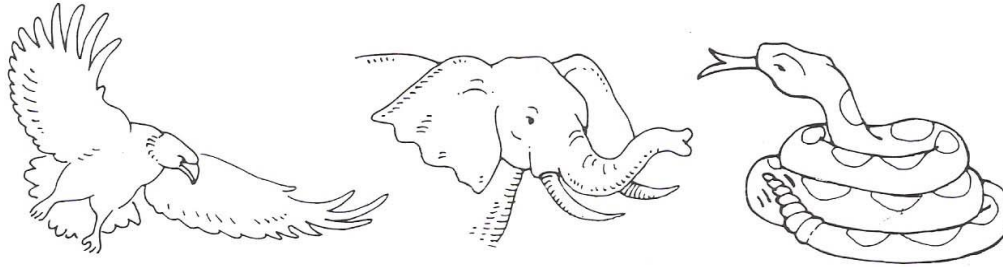


# Why have animals become extinct?

## Remember HIPPO

- **H** - habitat loss
- **I** - introduction of new animals
- **P** - pollution
- **P** - population growth
- **O** - over consumption

# Adaptations- How Animals Protect Themselves

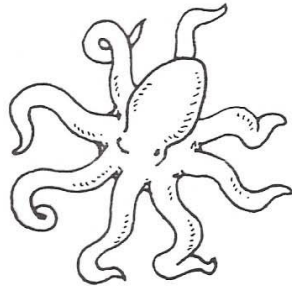


Use the words in the box to complete the sentences.

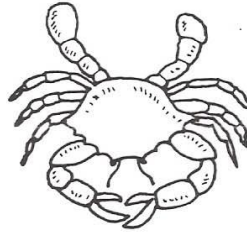
fangs and a hiss	sharp teeth	claws	tentacles	horns
bad smell	bright colors	bark	roar	quills

- 1 A porcupine protects itself with \_\_\_\_\_.
  - 2 A skunk produces a \_\_\_\_\_ **quills**.
  - 3 A butterfly warns its enemies with its \_\_\_\_\_ **Bad smell**.
  - 4 A dog scares its enemies with its \_\_\_\_\_ **Bright colors**.
  - 5 A lion uses its loud \_\_\_\_\_ **bark**.
  - 6 A lobster protects itself with \_\_\_\_\_ **roar**.
  - 7 A snake protects itself with \_\_\_\_\_ **claws**.
  - 8 A buffalo has \_\_\_\_\_ **Fangs and a hiss**.
  - 9 A jellyfish protects itself with \_\_\_\_\_ **horns**.
  - 10 A shark has \_\_\_\_\_ **tentacles**.
- Sharp teeth**

# Adaptations- How Animals Catch and Find Food



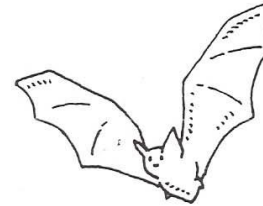
Octopus



Crab



Tiger



Bat

Use the words in the box to complete the sentences.

smell    tentacles    claws    sticky tongue    sharp teeth    echolocation    web

- 1 An octopus uses its tentacles to catch its food.
- 2 A crab uses its claws to catch food.
- 3 A frog has a Sticky tongue that it flicks out to catch insects.
- 4 A pig uses its nose and keen sense of smell to find its food.
- 5 A tiger has Sharp teeth in its mouth to help it catch food.
- 6 A dolphin uses bouncing sound waves, a method called echolocation, to find food.
- 7 Many spiders spin a sticky web to catch their food.

# Adaptation Review Question #1

- What adaptation does a musk ox have that allows it to live in a cold climate?



## Adaptation Review Question #2

- In Africa, the gazelles eat grasses, black rhinos eat shrubs, and giraffes feed on tree leaves. Why are the animals adapted in this way?

