

## Energy Flow in Ecosystems

What is a food chain?

What do the arrows in a food chain represent?

Where does the energy in a food chain come from?

Reminder: **Photosynthesis** is a process by which plants transform light energy into chemical energy.

The equation for photosynthesis: \_\_\_\_\_ + \_\_\_\_\_ -----> \_\_\_\_\_ + \_\_\_\_\_

**Producer:** Organisms that make their own food by \_\_\_\_\_

**Consumer:** Organisms that eats \_\_\_\_\_ as a source of food

**Primary Consumer:** Eats \_\_\_\_\_

**Secondary Consumer:** Eats \_\_\_\_\_ consumers

**Tertiary Consumer:** Eats \_\_\_\_\_ consumers

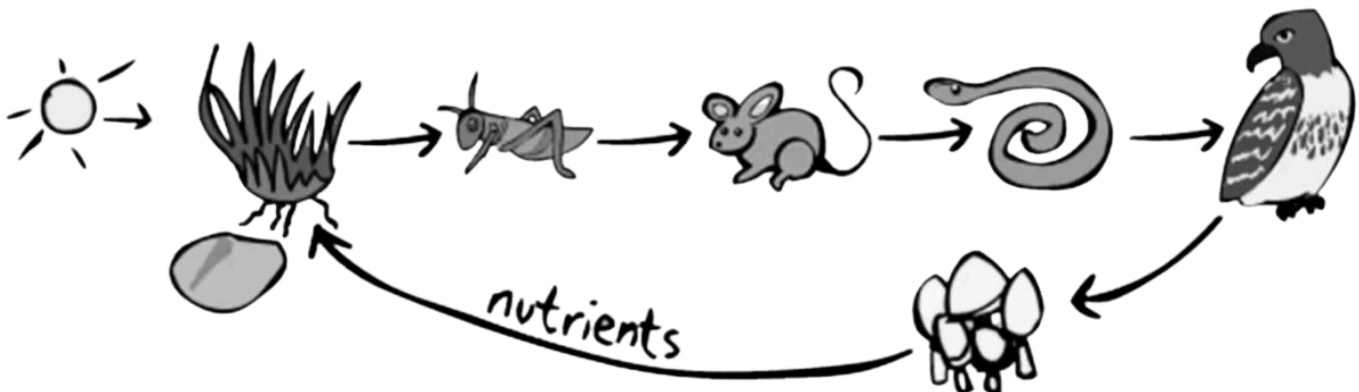
**Decomposer:** Organisms that get their food by \_\_\_\_\_ dead plants and animals

**Carnivore:** Organism that only eats \_\_\_\_\_ for food.

**Herbivore:** Organism that only eats \_\_\_\_\_ for food.

**Omnivore:** Organism that eats both \_\_\_\_\_ and \_\_\_\_\_ for food.

**Detritivore:** Organism that only eats \_\_\_\_\_.



**Predator:** Animal that \_\_\_\_\_ other animals.

Example:

**Prey:** Animal that \_\_\_\_\_ by other animals

Example:

**Food Webs:**

A collection of food chains that interact with each other.

List two food chains that you see in the food web:

1.

2.

Name two producers in the food web:

Name two primary consumers:

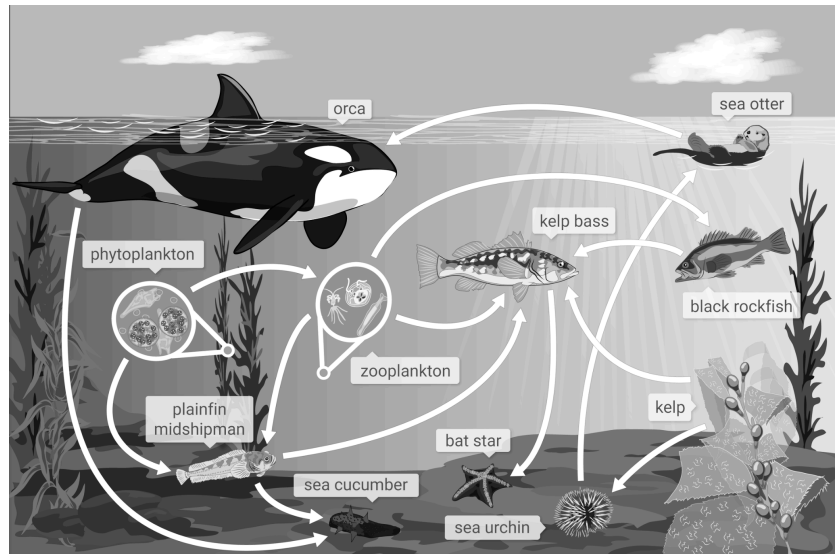
Name two secondary consumers:

Name a tertiary consumer:

Name a herbivore:

Name an omnivore:

Name a carnivore:



**Group Task: Food Web**

Removed organism: \_\_\_\_\_

How does removing an organism from a food web impact the other organisms in an ecosystem?