

Date: _____

Each individual organism is part of a population of organisms that needs energy and provides a role in its environment. Depending on how it gets its energy, an organism can be classified.

Producers: Organisms that take energy from the abiotic environment and create their own food to grow (plants use photosynthesis – converting sunlight, water and carbon dioxide into sugar).

Consumers: Organisms that must eat or otherwise get their energy from other organisms (biotic).

Consumers can be various types:

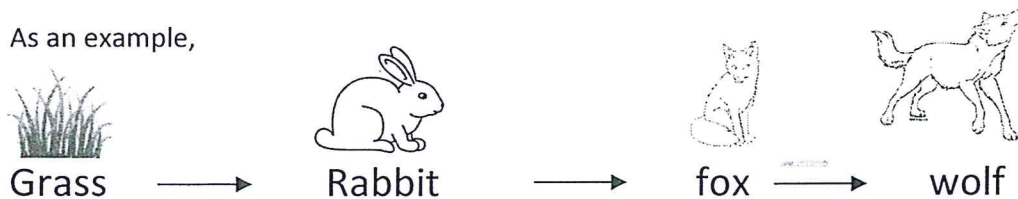
- **Herbivore** – animals that only eat plants (rabbit, aphid)
- **Carnivore** – animals that only eat mostly meat (trout, wolf)
- **Omnivore** – animals that eat both plants and meat (bear, human)
- **Scavengers** – animals that eat the remains of dead organisms (vulture, hyena)
- **Decomposer** – organisms that break down dead plants or animals (mushrooms, mold)

Predator – an animal that hunts and consumes another organism to survive. (coyote, hawk, snake)

Prey – An organism that is hunted for food. (grasshopper, rabbit, mouse)

Food Chains is a diagram that shows the flow of energy and material natural world. They start with a producer organism and the flow of energy is indicated with an arrow to the next organism thus creating a chain.

As an example,



Now draw your own using the following organisms – tree, hawk, robin, caterpillar.

Grade 7 Interactions Unit - **Food Chains and Webs 2**

Name:

Class:

Date:

1. Building on the food chain worksheet and using what you know of food chains and the following organisms (you may have to look up some information), create a food web containing the organisms listed below. Use arrows to show what organisms are eaten by other organisms along the chain. Also, make a box above each organism and using colour pencils, create a drawing of the organism (or print out a small picture and paste it in). Leave plenty of room to add other things requested further down the page.

Bald Eagle

Dragonfly Nymph

Phytoplankton

Trout

Algae

Brown Snake

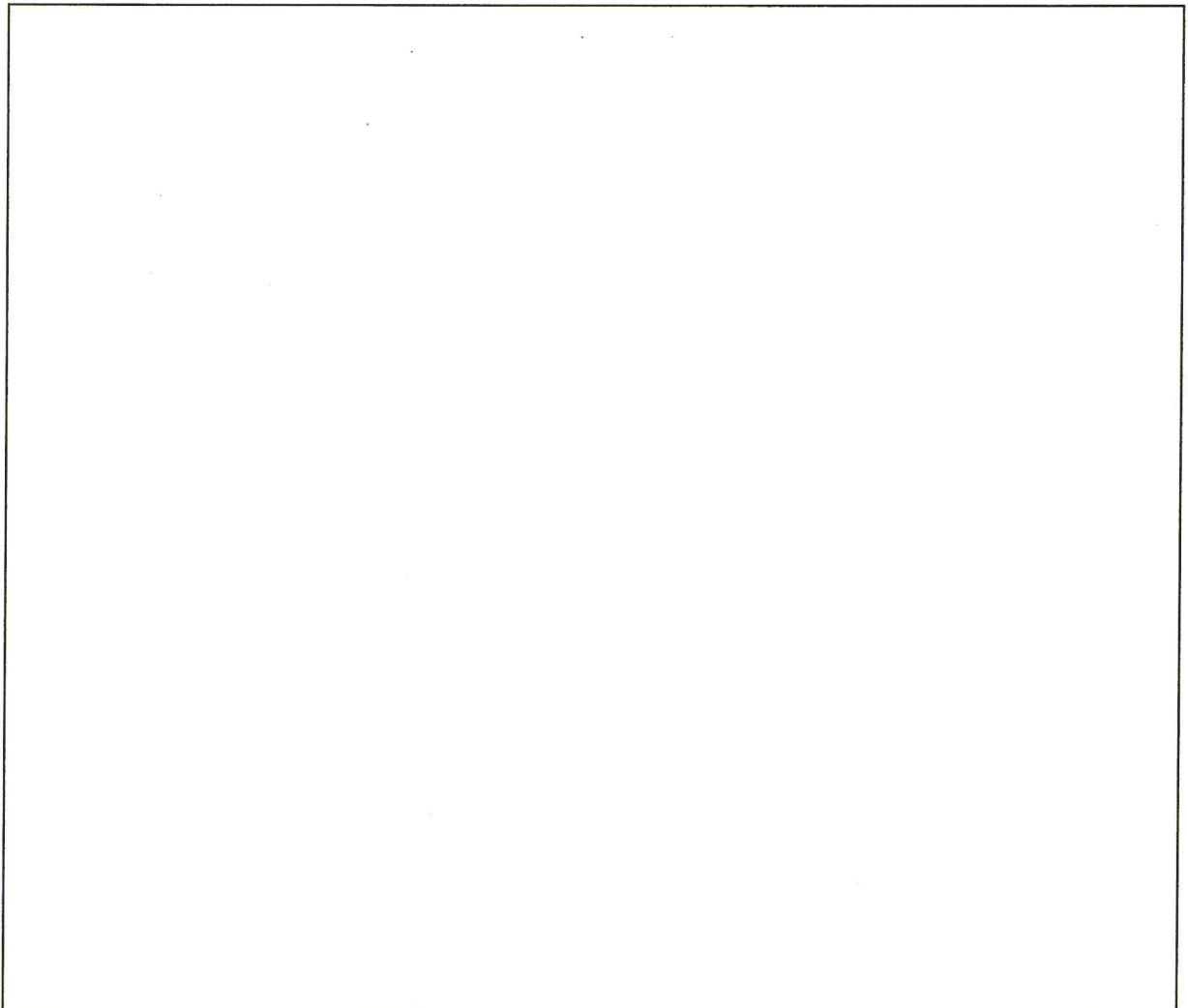
Brown Bear

Squirrel

Robin

Blueberries

Heron



2. Add decomposers to your web and include arrows where appropriate. Show trophic levels.
3. Label each organism as a producer/consumer as an herbivore/carnivore, a predator/prey, scavenger, decomposer. Add other labels to fully describe this food web.