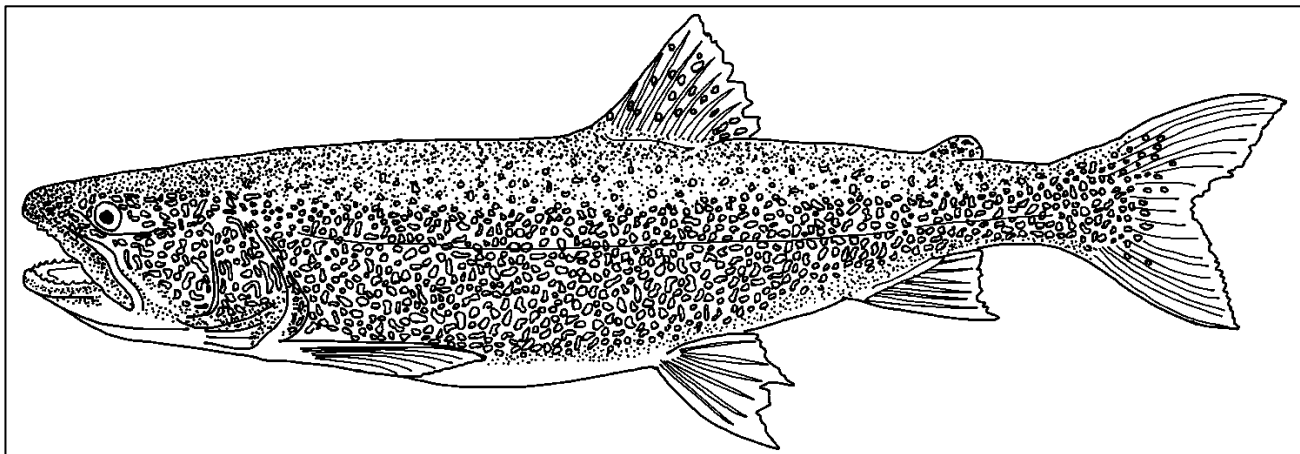
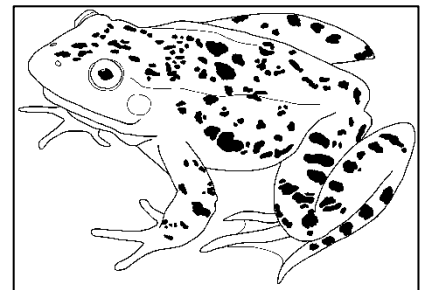
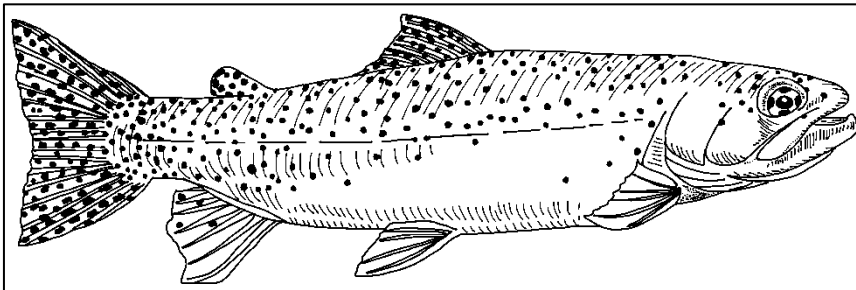
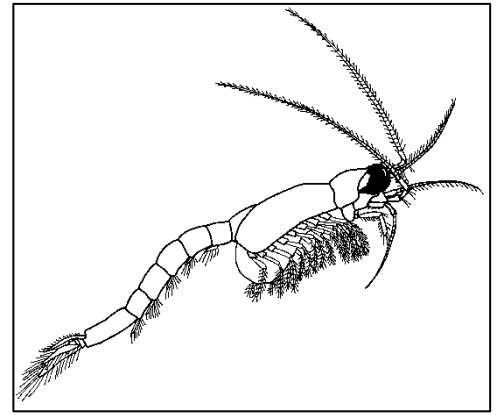
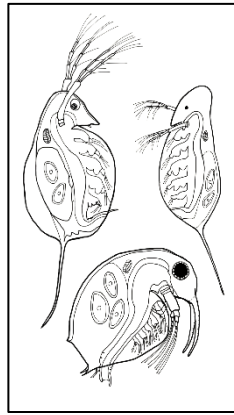
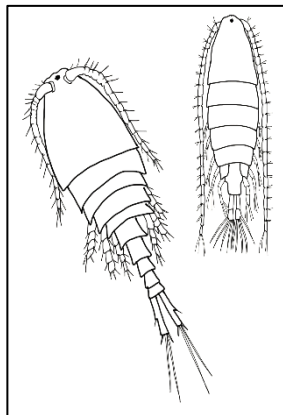
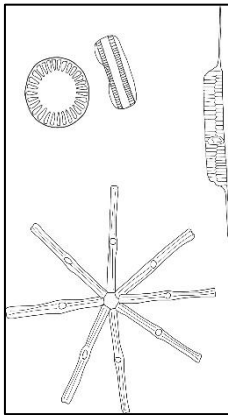




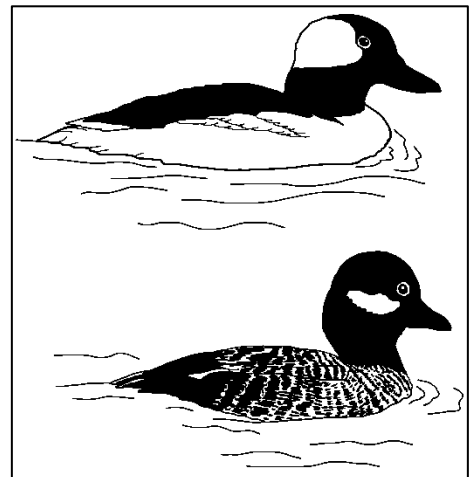
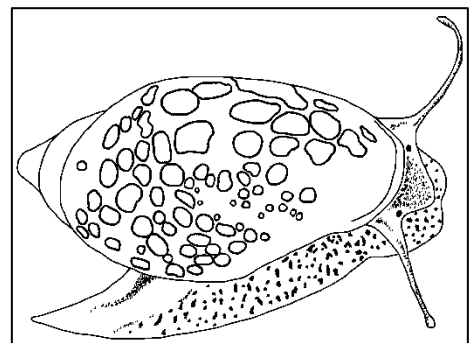
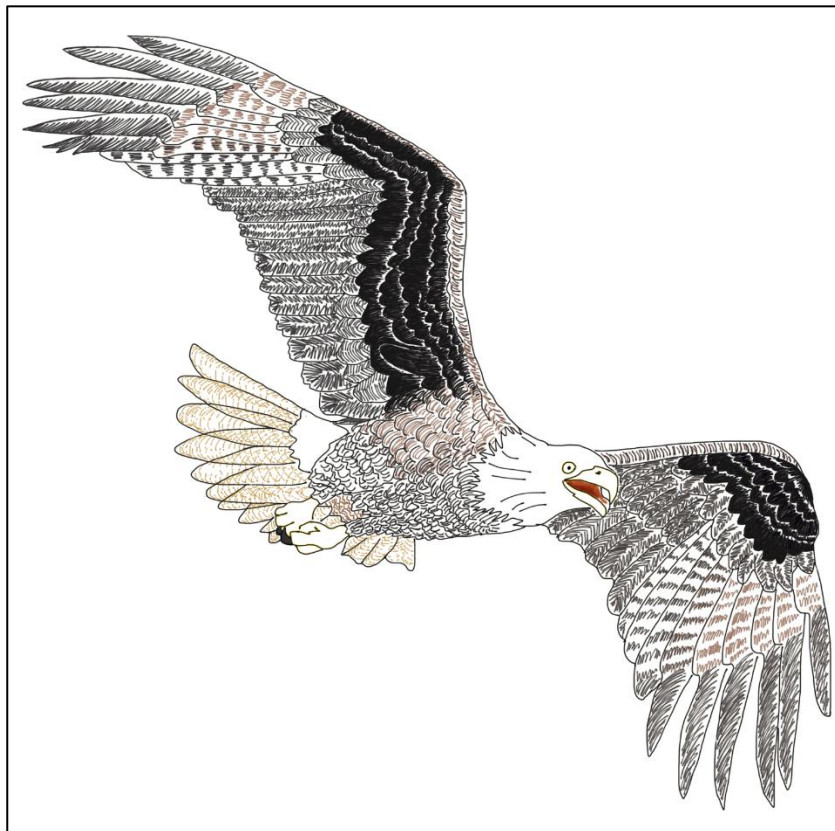
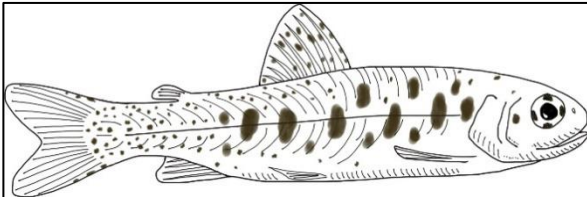
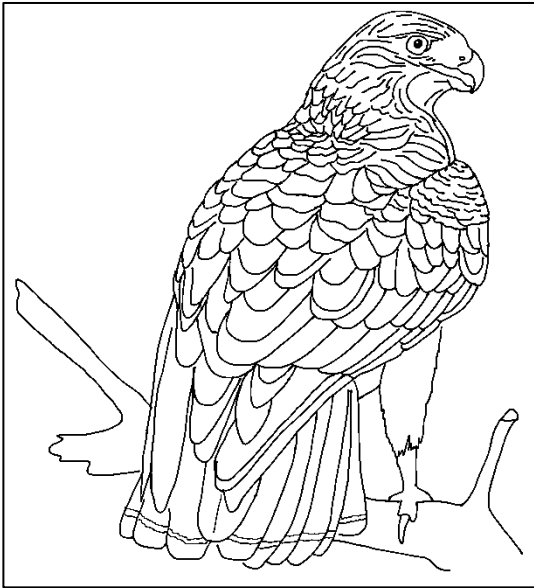
Build a Food Web Poster (Grades 6-12) Instructions

1. Cut out the **organisms** and descriptions. Match each organism with the description that fits.
2. Arrange the organisms on a large piece of paper (poster size) to build a **food web**. Remember each **food chain** in the web should start with a **producer**. So place your producers at the bottom.
3. Glue the organisms and descriptions to the poster and use a marker to draw arrows between the organisms (the arrows should flow UP through the web).
4. Label whether each organism is a **producer**, **herbivore**, **omnivore**, or **carnivore**.
5. Check out the answer to key for our example of a food web (yours might look different).



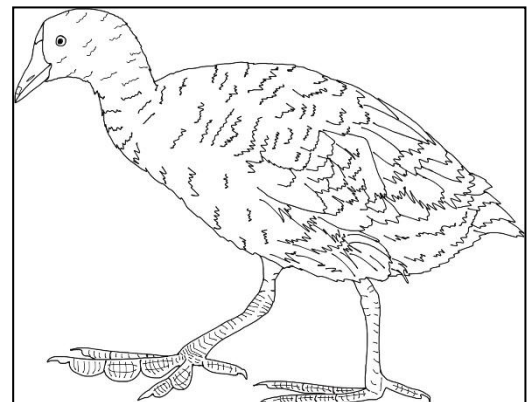
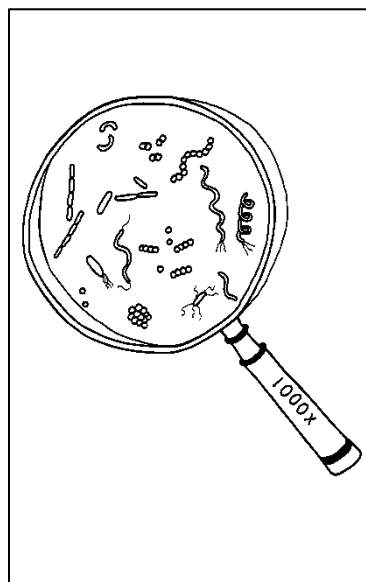
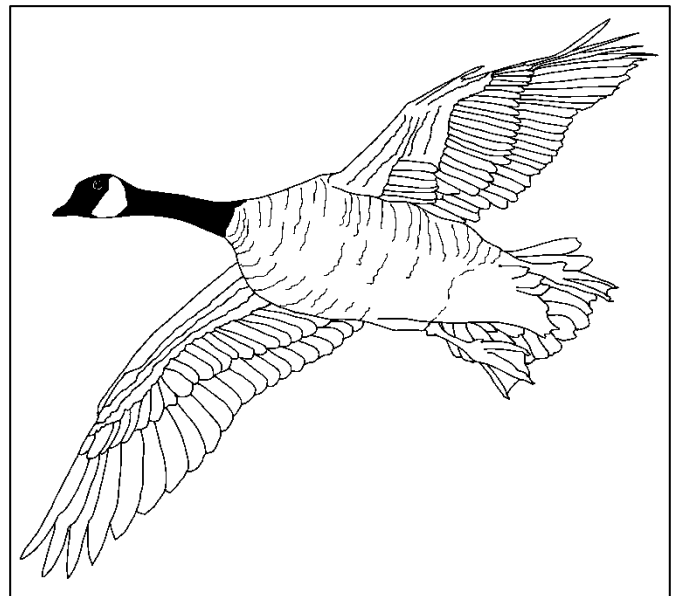
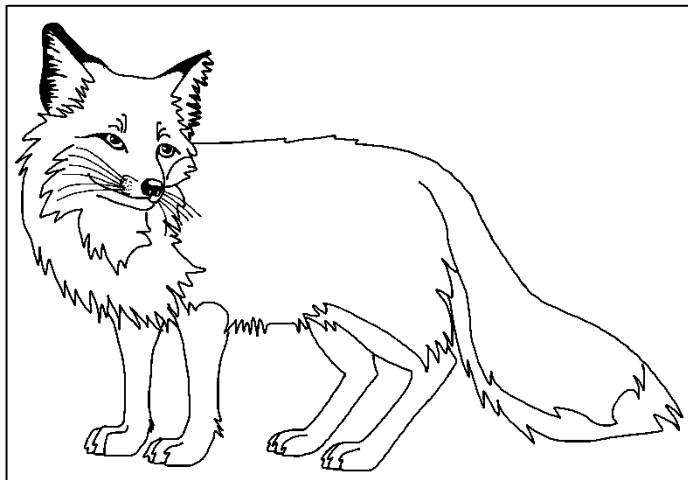
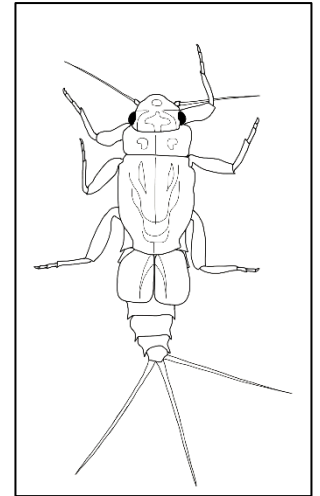
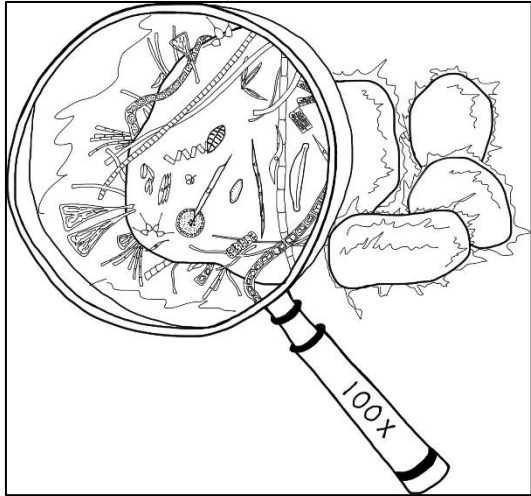


Virtual Research Cruise: Sampling Zooplankton Food Web Activity (Grades 6-12)





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Virtual Research Cruise: Sampling Zooplankton Food Web Activity (Grades 6-12)

Phytoplankton I am a diatom (microscopic algae) that floats and drifts with the water currents. I use sunlight, water, and carbon dioxide to build sugar for myself through photosynthesis.	Periphyton I am the slimy microscopic algae that grows on the bottom of lakes, streams, rivers, and wetland areas. I use sunlight, water, and carbon dioxide to build sugar for myself through photosynthesis.
Broadleaf Cattail I grow in wetland areas. I provide nesting areas for many birds. I use sunlight, water, and carbon dioxide to build sugar for myself through photosynthesis.	Tadpole Snail I live along the bottom of freshwater lakes, ponds, streams, rivers, and wetland areas. I eat periphyton and decaying plants and animals found on rocks, sand, and wood.
Copepods - Zooplankton I am a small crustacean that lives in lakes, ponds, streams, rivers, and wetland areas. You need to use a microscope to see me. I mostly eat phytoplankton and bacteria.	Cladocerans - Zooplankton I am often called a "water flea." I live in lakes, ponds, streams, rivers, and wetland areas. You need to use a microscope to see me. I mostly eat phytoplankton and bacteria.
Canada Goose I can be found near water, grassy fields, and grain fields. I eat grasses and sedges in the spring and summer. I eat cattail seeds, grain seeds, and berries during the fall and winter.	American Coot I am a swimming bird found in large groups in lakes, ponds, and wetlands. I eat algae, pond lilies, duckweed, wild celery, eelgrass, sedges, hydrilla, cattail seeds, and water milfoil.
Mayfly Larvae/Nymph I am an aquatic insect that usually lives along the bottom of lakes, streams, and rivers. I will soon turn into a flying adult mayfly. I eat periphyton off of rocks, sand, and wood.	Juvenile Trout I live in lakes, streams, and rivers. I like to hide in the pools and side channels of rivers and streams. I eat aquatic insect larvae, baby fish, and small zooplankton.
Great Blue Heron I hunt along the shores of lakes, ponds, streams, rivers, and wetlands. I eat fish, frogs, turtles, young birds, bird eggs, snakes, insects, and small mammals.	Red-tailed Hawk I hunt in open fields, grasslands, parks, and scrublands. I often look for food from high electrical poles. I eat mostly birds, small mammals, and snakes.



Virtual Research Cruise: Sampling Zooplankton Food Web Activity (Grades 6-12)

Bufflehead Duck I dive for food in lakes, ponds, and wetland areas. I eat aquatic insect larvae, juvenile fish, crustaceans, snails, mussels, as well as, seeds from pondweed, bulrush, and slough grass.	Columbia Spotted Frog I live in lakes, ponds, wetlands, streams, and rivers. I often hide in aquatic plants to avoid predators. I eat snails, mussels, spiders, insect larvae, adult insects, & crustaceans.
Lake Trout I live in the cold, clear water of deep lakes and rivers. I eat large zooplankton, such as <i>Mysis</i> shrimp when I am young and other fish when I get bigger.	Adult Westslope Cutthroat Trout I live in the cold, clear water of lakes, streams, and rivers. I eat aquatic insects and smaller fish.
Bacteria I can be found in every habitat on Earth and on any living and/or non-living surface. I eat material from living and/or dead organisms.	Red Fox I live in a den or burrow in the ground in forested areas, mountains, and grasslands. I eat birds, fish, insects, small mammals, and fruits.
Osprey I hunt in fish-filled lakes, ponds, streams, rivers, and wetlands. I like to build my nest on high man-made structures. I dive into the water to catch fish.	Bald Eagle I nest in forested areas near large lakes and rivers. I often soar in the sky to search for my food. I eat fish, mammals, birds, frogs, snakes, lizards, and dead animals.
<i>Mysis</i> Shrimp I live in deep, cold lakes. I hide in the deep water during the day and swim up to the surface to eat at night. I eat zooplankton.	