

## Redband Trout Food Webs

You recently learned what eats redband trout, and what redband trout eat.

Using the information you learned in class and your own research, you will create a minimum of a 10- species food web for redband trout. Your food web will show the relationships of other plant, animal, fungi, and bacteria species to redband trout.

In the web you will need to have at least one producer (plant, fungi, algae, etc.) one primary consumer (animal who eats vegetation), one secondary consumer (animal who eats other animals) and one decomposer (species that decomposes plant and/or animal material like fungi, bacteria, or insects).

You will label each animal with its name, and whether they are a producer, primary consumer, secondary consumer, or a decomposer. Your web should show who "eats" whom. You may draw your food web, use pictures to create it, or create your own graphic on the computer. Make sure your food web is big and clear enough for your teacher to understand the relationships.

After you have finished creating your food web, answer the following questions in complete sentences.

- 1) Many of the species that redband trout eat depend on cold water. If water temperatures become warmer, how might this impact the food web?
- 2) Chose one secondary consumer to remove from your food web. Predict how the removal of this species may impact the food web.
- 3) If redband trout were removed from the food web, how might the rest of the food web change?
- 4) Do you think humans are a part of this food web? Why or why not?
- 5) Describe how food webs can help us understand the transfer of food energy in an ecosystem.