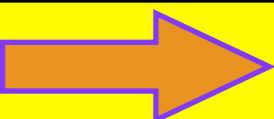


Eating and Digestion

Learning Objective:

To be able to construct and interpret a variety of food chains.



herbivore

carnivore

omnivore



How would you explain what these terms mean to someone who didn't know?

herbivore

An animal that eats plants.



carnivore

An animal that eats other animals.



omnivore

An animal that eats both other animals and plants.





Rosebush



Aphid



Ladybird

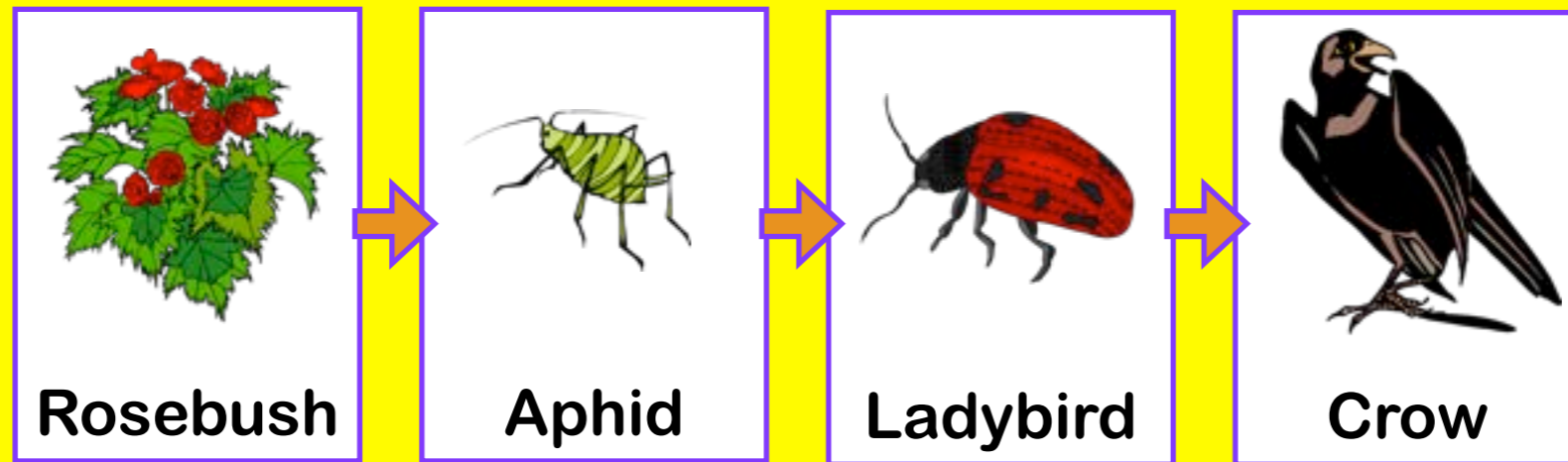


Crow

What do you think this diagram is showing?



This diagram is showing a **FOOD CHAIN**. All the plants and animals that live together in an ecosystem are linked together by what they feed on. They rely on each other for survival. Food chains show how the organisms are linked through diet.



This food chain is showing that the aphid eats the rosebush, the ladybird eats the aphid, and the crow eats the ladybird.



Food chains usually start with a green plant as plants are able to produce their own energy from the sunlight. For this reason, plants at the beginning of a food chain are called **PRODUCERS**.

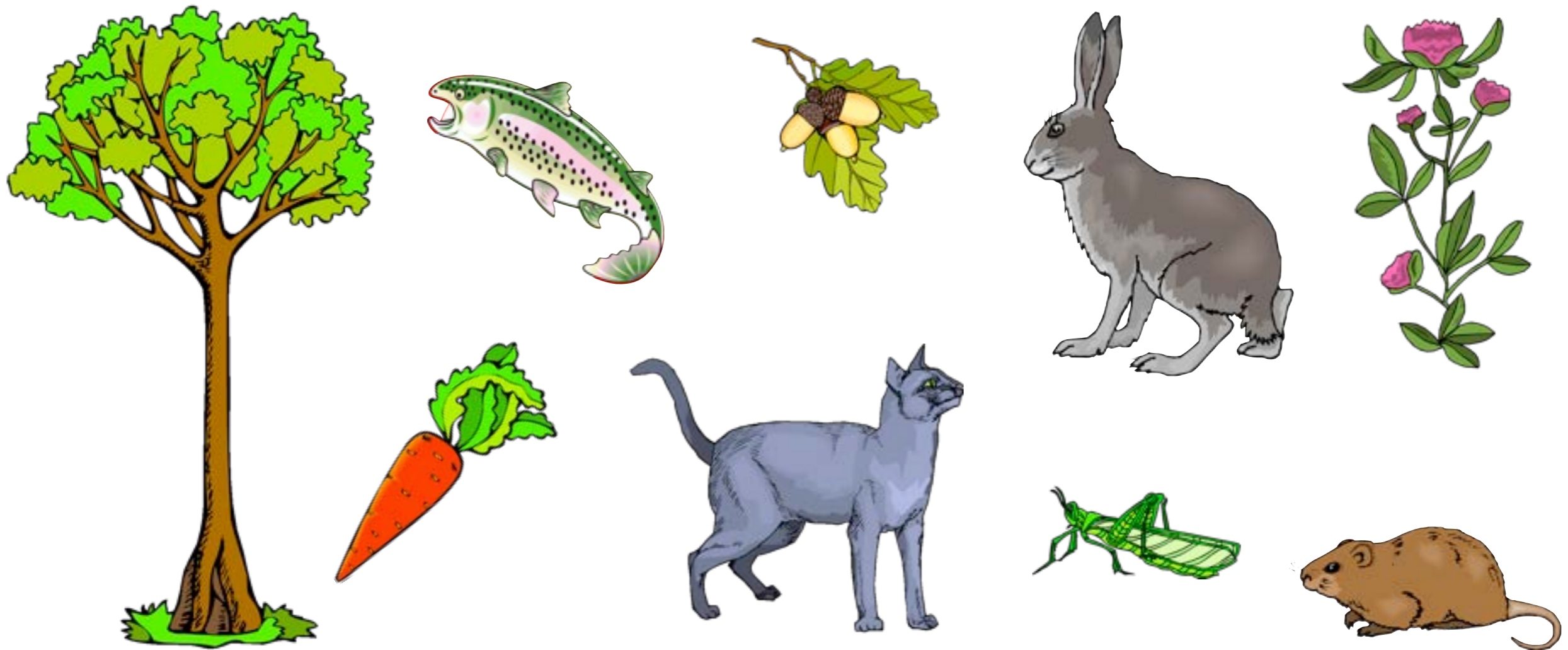
Did you know...?

The scientific name for the process a plant uses to change sunlight to energy is **PHOTOSYNTHESIS**.



Anything that eats a PRODUCER is called a CONSUMER because it consumes the energy of the plants. Consumers also eat other animals.

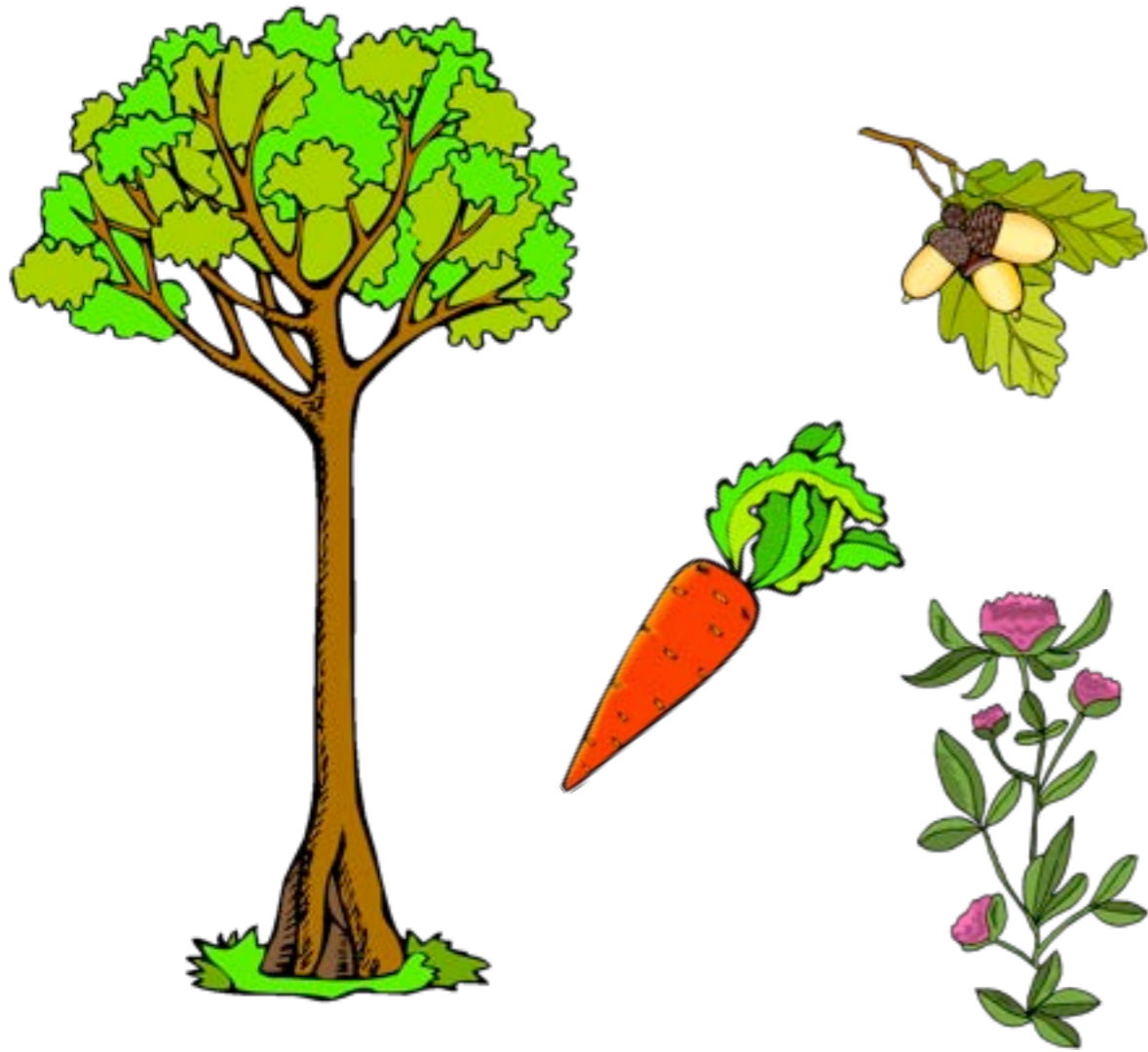
Which of these is a producer and which is a consumer?



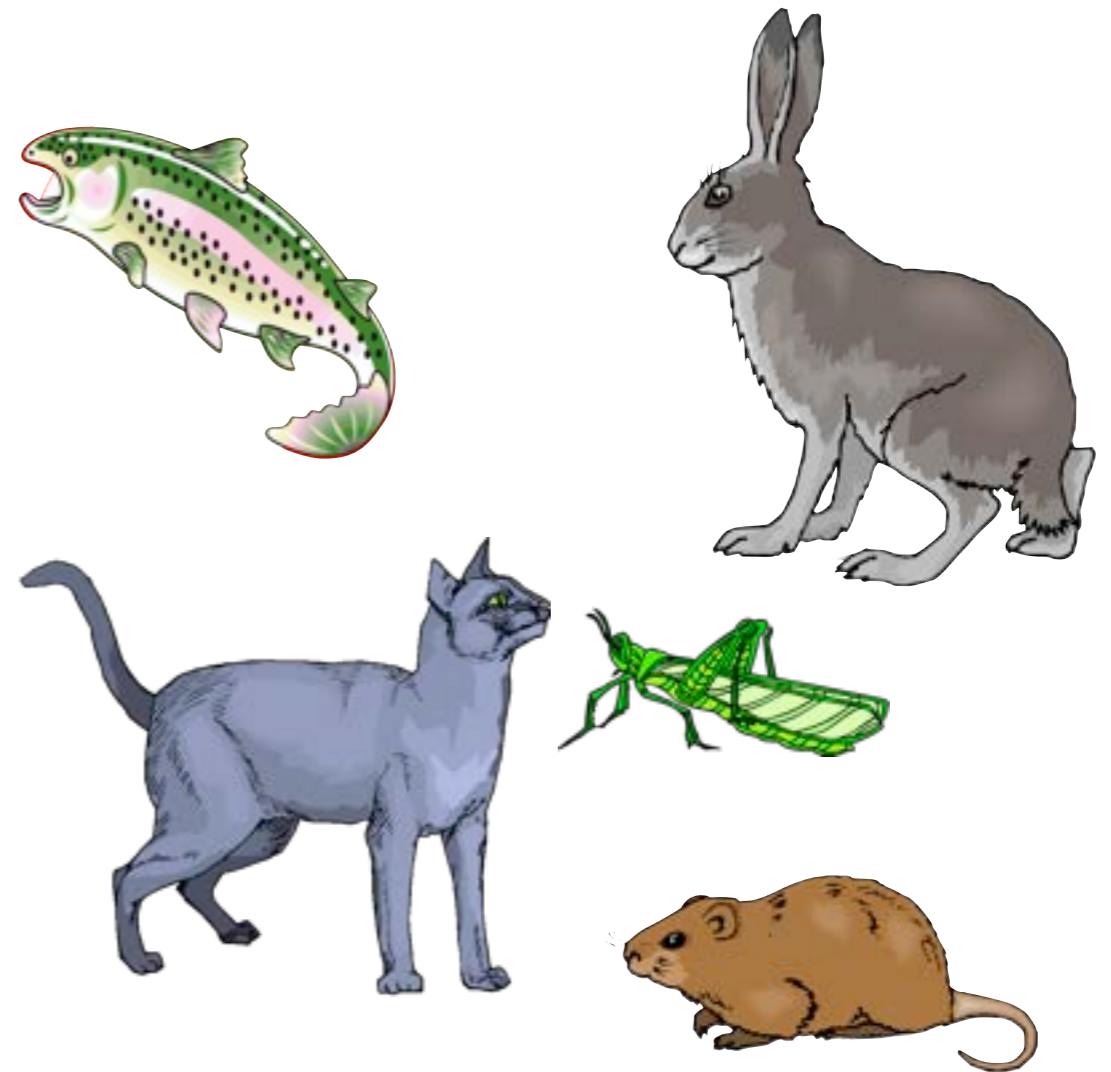


Did you get those right?

Producers

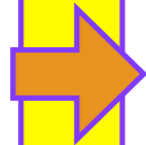


Consumers

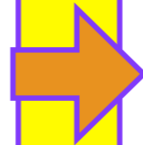




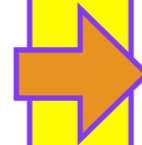
Rosebush



Aphid



Ladybird



Crow

The arrows in a food chain show the direction of ENERGY. The arrows in this diagram are showing that the rosebush gives energy to the aphid, the aphid gives energy to the ladybird, and the ladybird gives energy to the crow.

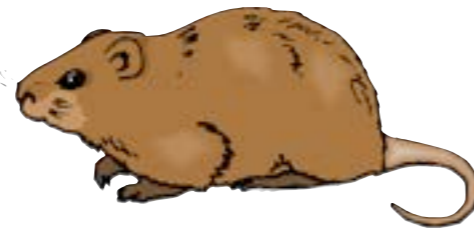
Can you organise these organisms into a food chain? Don't forget the arrows!



Snake



Acorn



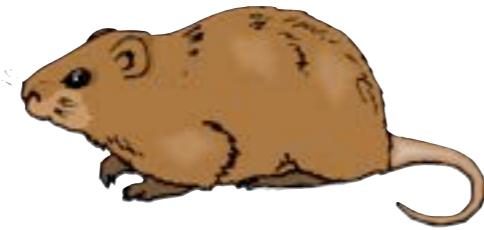
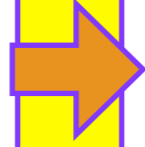
Mouse



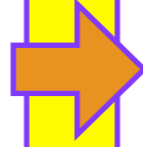
Eagle



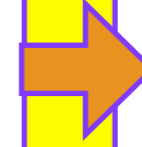
Acorn



Mouse



Snake



Eagle



**Did you get that right?
Can you explain what this
food chain shows?**

Now try these organisms. Can you organise them into a food chain?



Trout



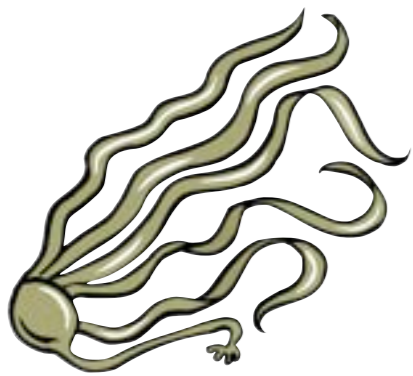
Heron



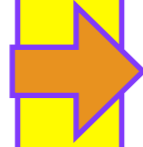
Algae



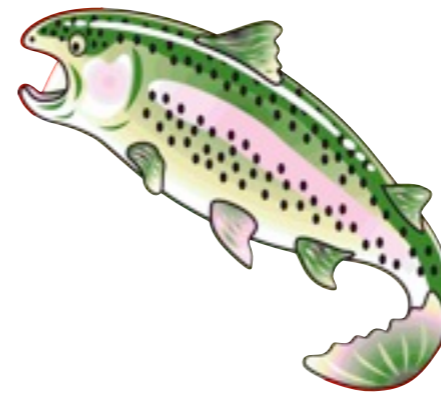
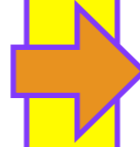
Tadpole



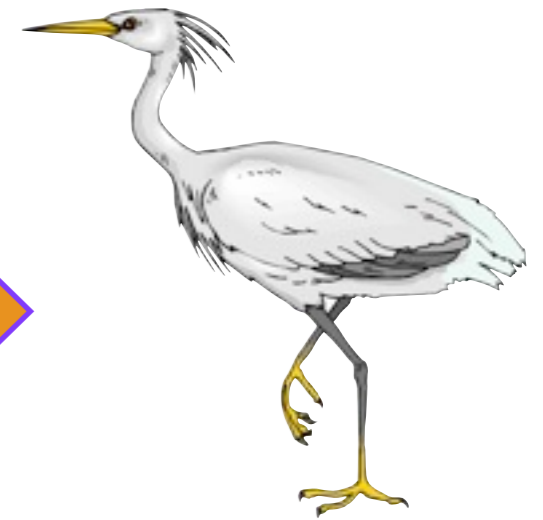
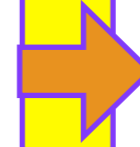
Algae



Tadpole



Trout



Heron

**Did you get that right?
Can you explain what this
food chain shows?**



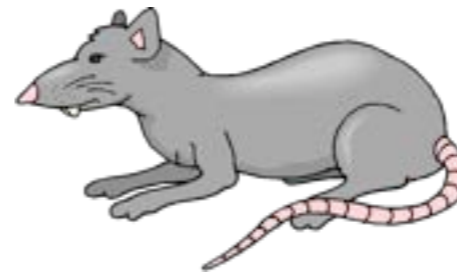
Let's do one more! Can you organise these organisms into a food chain?



Fox



Snail



Rat



Apple

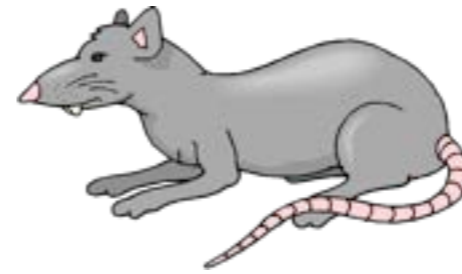




Apple



Snail



Rat



Fox



**Did you get that right?
Can you explain what this
food chain shows?**

**Well done
everyone!**

**Who is ready to
go and try
making some
food chains of
their own?**



Plenary:



What would happen if one of these organisms was to be taken out of the food chain?

What would the consumer eat instead?

How might this affect the whole ecosystem?



Elderberries



Robin



Owl



Hawk