

## Feeding Relationships

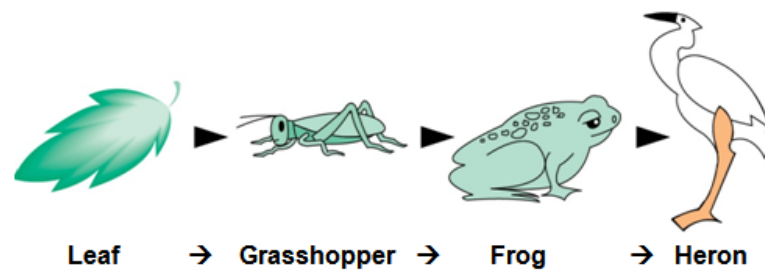
When one organism eats another, the energy in an ecosystem moves along a one-way path.

Energy Flows 

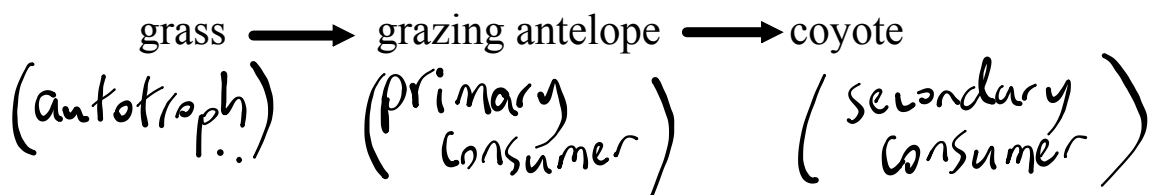
The energy stored by producers can be passed through an ecosystem along a **food chain**, a series of steps in which organisms transfer energy by eating and being eaten.

## Food Chain

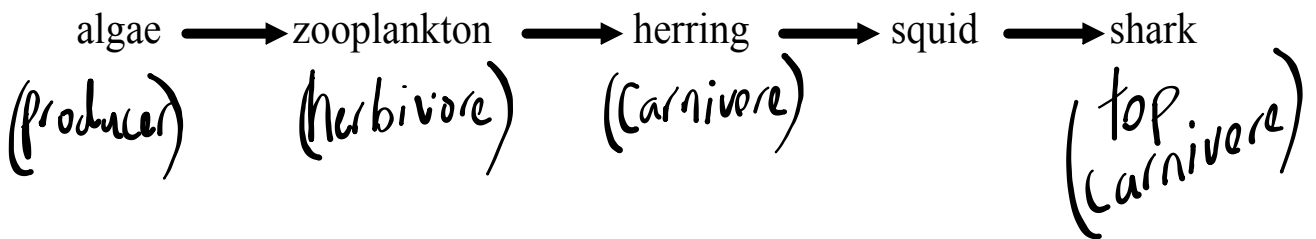
The arrows in a food chain show what eats what. The arrow replaces the phrase "is eaten by." The direction of the arrow is very important. The arrow must point toward the "eater."



Example #1 - Prairie Ecosystem



Example #2 - Marine Ecosystem



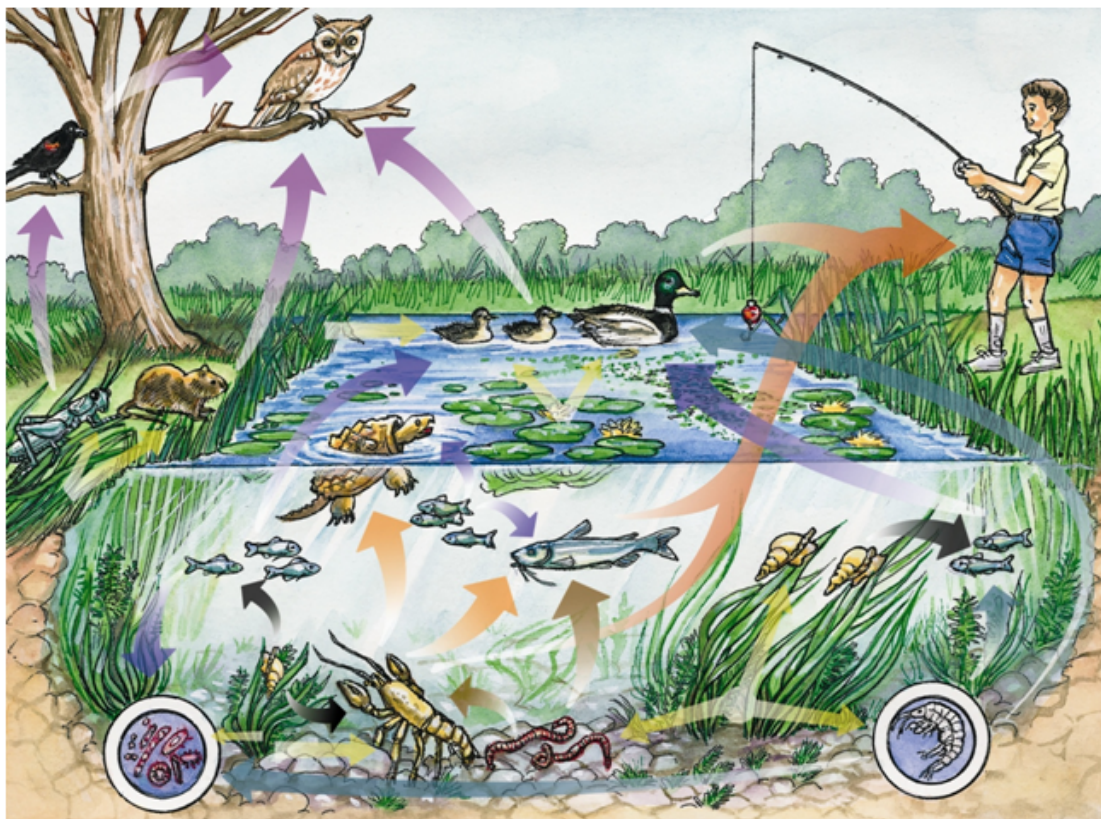
- In most ecosystems, feeding relationships are more complex than can be shown in a food chain.
- When the feeding relationships among various organisms in an ecosystem form a network of complex interactions, ecologists describe these relationships as food webs.

A **food web** links all the food chains in an ecosystem together...

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## Food Web

A food web shows the many possible food chains that exist in an ecosystem.





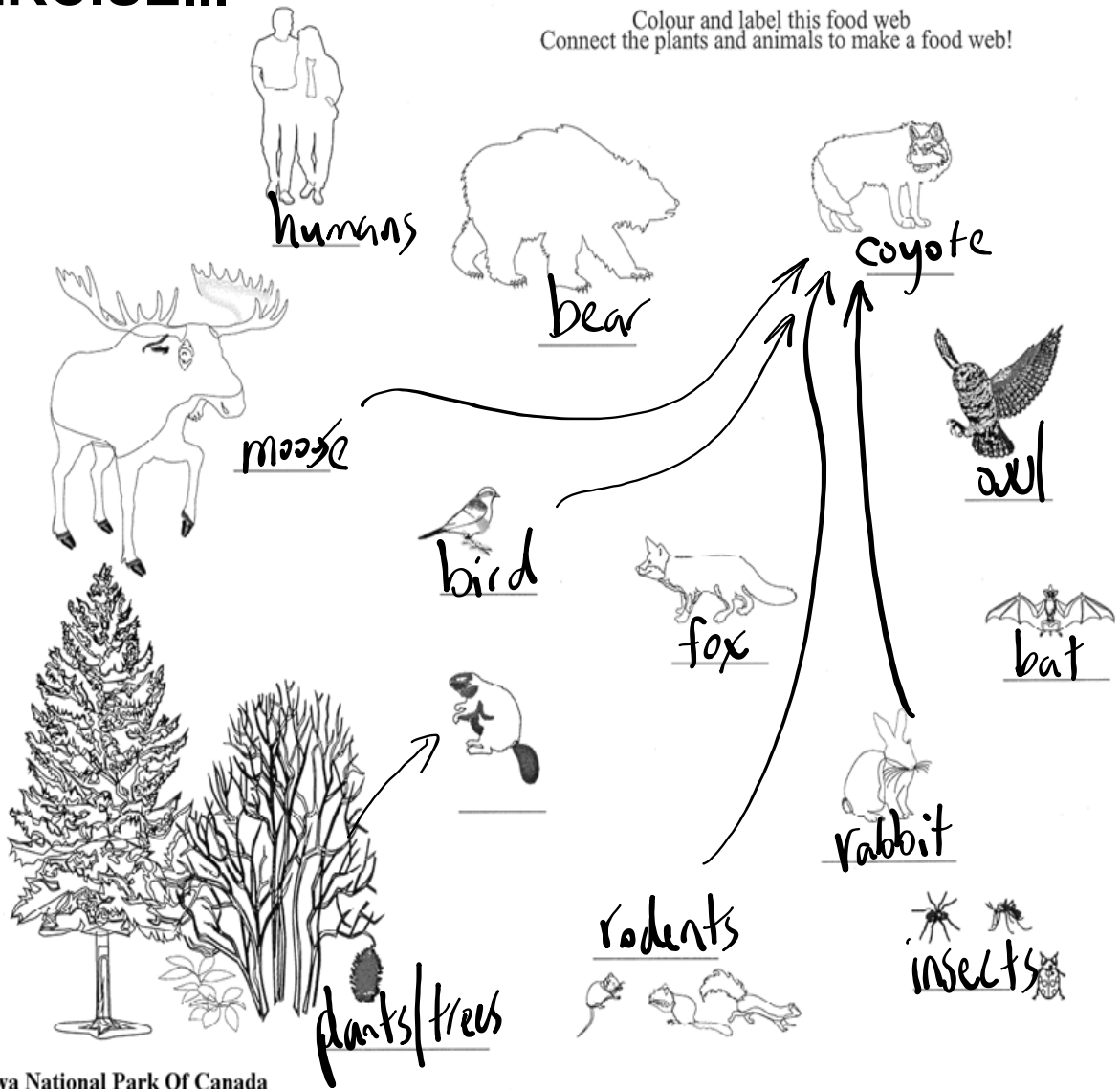
<http://safeshare.tv/w/sWvtHMADh>



# EXERCISE...

## Boreal Forest Food Web

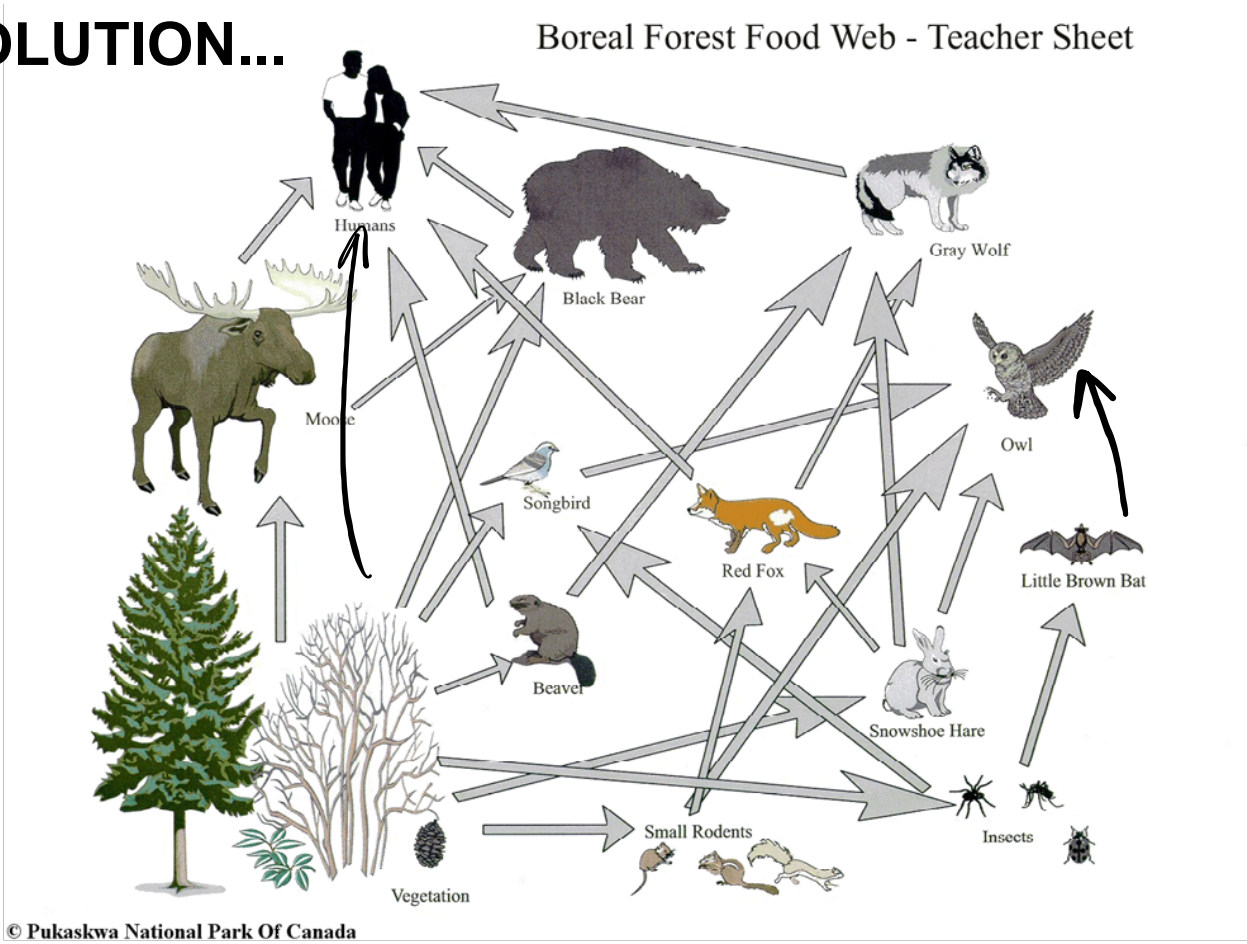
Colour and label this food web  
Connect the plants and animals to make a food web!



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# SOLUTION...

Boreal Forest Food Web - Teacher Sheet



## LAB: Barn Owl Pellet Dissection

[Lab - Owl Pellet Dissection.pdf](#)





## Attachments

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Lab - Owl Pellet Dissection.pdf