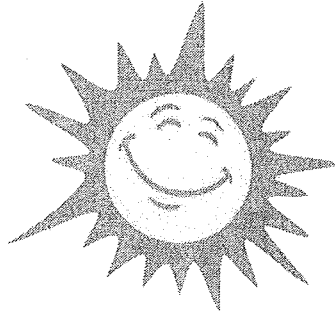


# Food Web Construction and Manipulation



## Purpose

To construct an accurate food web and discuss the implications of species extinction in the web.

## Materials

- One set of cards per group
- Colored Pencils
- Butcher paper to glue cards onto
- Glue sticks
- Scissors
- Marker
- Pen/pencil

## Procedure

1. Cut out each of the squares representing the animals in the food web.
2. Arrange the cards into a logical food web, being sure to draw the arrows in the appropriate direction showing energy flow. Use colored pencils to draw these arrows.
3. Show your web to your teacher. He/she will kill off one of the species in your web.
4. On a separate sheet of paper, discuss the impacts of the extinction of this specie. How will their death impact the animals who feed on them? How will it affect the species that were preyed upon by them?
5. Turn in your web and paragraphs.

<p><b>Mouse</b> Eats: Grasshoppers Snails Salt marsh plants</p>	<p><b>Rat</b> Eats: Sparrows Grasshoppers Snails Salt marsh plants</p>	<p><b>Owl</b> Eats: Rats Sparrows Ducks sandpipers</p>
<p><b>Hawk</b> Eats: Shrews Mice rats</p>	<p><b>Duck</b> Eats: Crustaceans Salt marsh plants Algae Grasshoppers snails</p>	<p><b>Sandpiper</b> Eats: Crustaceans algae</p>
<p><b>Sparrow</b> Eats: Crustaceans Salt marsh plants Grasshoppers snails</p>	<p><b>Shrew</b> Eats: Grasshoppers Snails mice</p>	<p><b>Small Crustacean</b> Eats: Salt water algae</p>
<p><b>Fish</b> Eats: Crustaceans Salt marsh plants Salt water algae</p>	<p><b>Heron</b> Eats: Fish</p>	<p><b>Grasshopper</b> Eats: Salt marsh plants</p>
<p><b>Salt water algae:</b> Energy Source: Sunlight CO<sub>2</sub> Water</p>	<p><b>Salt marsh plants</b> Energy Source: Sunlight CO<sub>2</sub> Water</p>	<p><b>Snail</b> Eats: Salt marsh plants Salt water algae</p>