**Drawing Food Webs**

Draw the following food webs and then answer the questions about each web. You can use words only or include pictures in your webs. Draw arrows between the organisms to show how the energy flows through the food web.

**Web 1**

* Grass provides food for snails and rabbits.
* Rabbits are eaten by foxes and snakes.
* The snails are eaten by birds.
* Birds, rabbits and snakes can be eaten by hawks.

Questions about web 1:

1. What is the producer in this food web?
2. Name the two primary consumers.
3. Name a secondary consumer. Draw a food chain to support you answer.
4. What type of consumer is the hawk? Draw a food chain to support your answer.

**Web 2**

* In a pond, algae grows on rocks which is eaten by water snails.
* The water snails are eaten by small fish, which also eat algae.
* Large fish feed on both the snails and the small fish.

Questions about web 2:

1. How would you classify the algae in this food web?
2. What type of consumer is the water snail?
3. The large fish are a secondary and a tertiary consumer. Draw two food chains to show how this is possible.
4. Is the large fish a carnivore, herbivore or omnivore? Explain your choice.
5. Is the small fish a carnivore, herbivore or omnivore? Explain your choice.
6. Is the water snail a carnivore, herbivore or omnivore? Explain your choice.

**Web 3**

* Trees produce acorns which act as a food for mice and insects.
* Snakes are attracted to the area by the mice, which they feed on.
* The insects and acorns also attract birds and possums.
* With the snakes and mice around, hawks and owls can find food.

Questions about web 3:

1. Identify the producer in this food web.
2. Which organisms are herbivores? Explain your choice.
3. Which organism is an omnivore? Explain your choice.
4. What type of consumer is the owl? Use a food chain to explain your choice.
5. If a disease wiped out the mice population:
   1. Describe what would happen to the number of snakes.
   2. Describe what would happen to the number of insects.

**Web 4**

* Seaweed grows in the ocean and provides food for crabs and small fish.
* The small fish prey on the young crabs.
* Large fish and seals eat the smaller fish and crabs.
* The seals also eat the large fish.
* Polar bears are the top predator, eating seals and large fish.

Questions about web 4:

1. What organisms provide food for the seals?
2. In this food web, name an organisms that is a:
   1. Carnivore
   2. Herbivore
   3. Omnivore
3. What type of consumer is the seal? Use a food chain to explain your choice.
4. Herbert says that the polar bear is only a quaternary consumer. Is he correct? Explain why or why not.