

Week 15th June

Dangers to living things - Lesson 1

Over the next few weeks, we are going to learn about living things. We are going to think about how they get energy to survive and things that can affect their survival.

Task 1

First, we need to recap some information on living things from previous science lessons we have had in school.

All living things need energy to survive. Think about where plants get their energy from. Where do animals get their energy from? Where do we get our energy from?

Watch this BBC bitesize video and read the information underneath it:

<https://www.bbc.co.uk/bitesize/topics/zbnnb9q/articles/zwbtxsg>

(If the link doesn't work search for 'What is a food chain? BBC Bitesize')

There is also a KS1 video to recap this information if you need it:

<https://www.bbc.co.uk/bitesize/topics/zx882hv/articles/z3c2xnb>

After you have watched the video, answer these questions in as much detail as you can:

1. What is a producer?
2. Why do all food chains start with a producer?
3. What is a consumer?
4. What are animals that eat other animals called?
5. In the food chain on the video, what does the hare eat?
6. In the food chain on the video, what is the top predator?

Bonus:

Explain how the lion actually gets its energy from the sun.

Extra challenge task

From previous lessons we have done on plants, write a short paragraph to explain how plants make their own energy.

Task 2

You now need to think about animals that you know about. You can get inspiration from animals you see in the garden, TV programmes you have watched about animals or your own pets.

Make three lists to show organisms that would go into these different groups.

Producers

Prey

Predators

Lettuce

Slugs

Birds

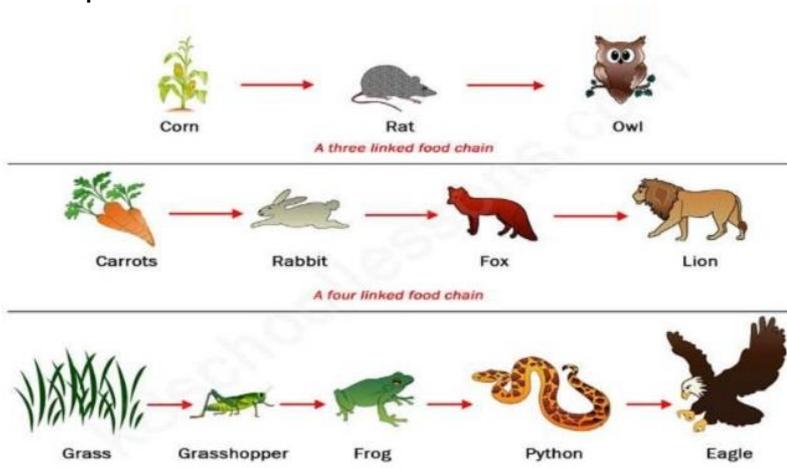
How many organisms can you include in each list?

Can some organisms be in the prey and the predator list?

Task 3

You now need to join the animals and plants together into a food chain. A food chain shows the order that the plants and animals eat each other.

Example:



Draw or write your own food chains using animals that you know about.

How many animals can you link together in one food chain?

Can you write a food chain that includes humans?

Extra challenge

Write a paragraph to explain why some animals can be both prey and predators. Give examples to help your explanation.

Answers

Task 1

1. What is a producer? A producer is an organism that makes its own food/energy.
2. Why do all food chains start with a producer? Because the producer makes its own energy, which is then used by other animals.
3. What is a consumer? A living thing that eats other plants or animals.
4. What are animals that eat other animals called? Predators
5. In the food chain on the video, what does the hare eat? Grass
6. In the food chain on the video, what is the top predator? Lion