

## **Week Commencing 04.05.20**

**LO: To identify and understand producers, predators and prey**

Explanation of Food chains = [www.bbc.co.uk/education/clips/zpnhtqy](http://www.bbc.co.uk/education/clips/zpnhtqy)

**The energy that all animals get from food begins with the Sun's energy and once it reaches Earth is transferred through food webs and food chains.**

Each part of the food chain starts with the producers, then the primary and secondary consumers, predator and prey.

### **Word Bank**

Food chain  
Producer  
Predator  
Prey  
Consumer  
Herbivore  
Carnivore  
Omnivore

**Task 1: What is the difference between Carnivores, Herbivores and Omnivores?  
What sort of diet do most humans have?**

Some people choose to be vegetarians and avoid meat and some people choose to be vegans and avoid all animal related foodstuffs. This is close to being a herbivore but a herbivore has no choice and can only survive by eating plants.

**Task 2: Write a definition for 'predator' and for 'prey'**

Another way we classify animals is as a predator or prey. A predator is an animal which kills and eats another animal. The other animal is its prey. For example, a Fox is a predator and a rabbit is its prey. Using a Tomato plant, greenfly, ladybird, shrew and a badger.



In Year 2, you learnt about food chains. In Year 3, you learnt about an important function called photosynthesis. Herbivores eat the plants and then they are eaten by carnivores or omnivores, so the food (energy) is passed along the 'chain'. Omnivores eat both plants and animals. Animals can also be called consumers, either primary consumers that eat producers, or secondary consumers that eat animals.

**Task 3: Answer the following questions (Watch the video linked at the top)**

Which animal would there be most of in this habitat?

What stops them from taking over?

**Task 4:** The scenario: There are landowners in Scotland who want to reintroduce wolves into Yellowstone Park as a way of controlling the deer population. Discuss the situation with the people around you at home. Decide your opinion and write a persuasive letter arguing your opinion to the Scottish Park owners.

### **Ideas**

Is it a good idea? What can be done to control the deer population in the future? What can be done to stop reintroduction of wolves? Why didn't they just cull the deer instead? You may even believe that all parts of the food chain are important for living things in the habitat. If there are no deer, then vegetation will take over. The deer help with seed dispersal.

Persuade us of your opinion!