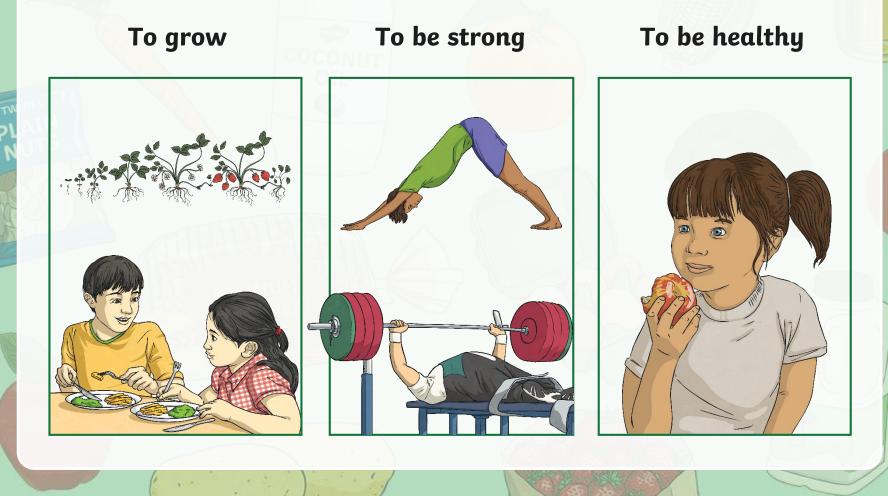
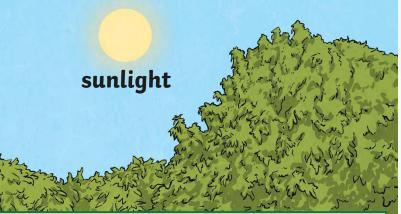
Living Things and Food

Living things need food...



Photosynthesis



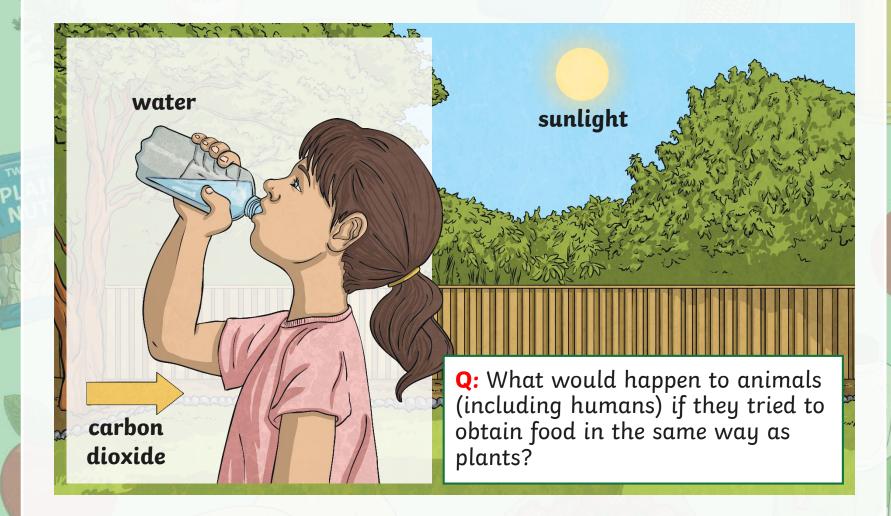


How do plants obtain food?

Plants make their own food! This process is called **photosynthesis**.

They use water, sunlight and carbon dioxide (a gas in the air) to produce food in their leaves.

Animals and Photosynthesis



Human Food

What kind of foods do humans need?



Food is commonly divided into **five** food groups. **Q:** How many of the food groups do you know?

Human Food

What kind of foods do humans need?

Beans, pulses, fish, eggs, meat and other proteins

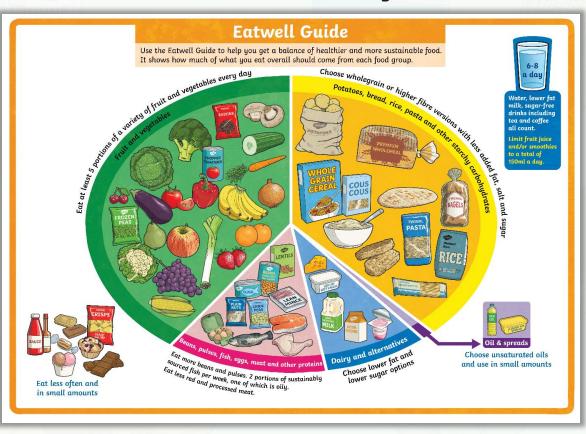
These are very important for helping us grow and build muscles. Try to eat 2 portions of fish a week and try to reduce intake of red and processed meat.

and/or smoothies to 150ml a day.

Potatoes, bread, rice, pasta and oth eans, pulses, fish, eggs, meat and other proteins Dairy and alternativ

Q: Why do you think foods that are high in sugar and/or fat are not a food group?

Food Groups



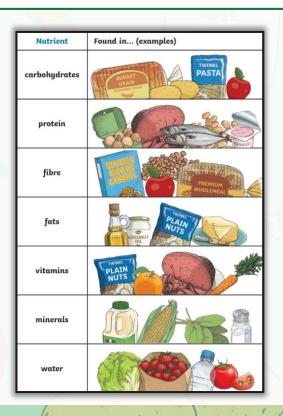
The Eatwall Cuide halps us to make desisions about how to make sure we eat the Notice that drinking plenty of water is also very important to keep us healthy.

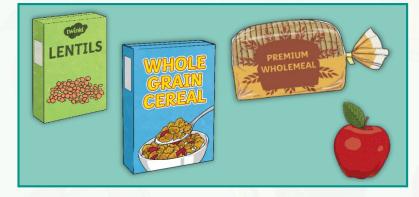
Types of Nutrients

Types of Nutrients - Fibre

Nutrients are substances that animals need to stay alive and stay healthy. These nutrients are found in the foods we eat.

There are seven nutrients.





Fibre helps you to digest the food that you have eaten.

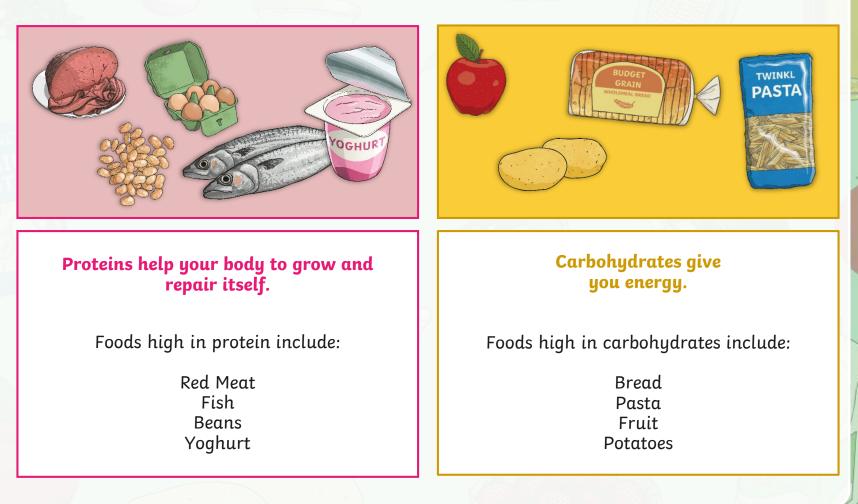
Foods high in fibre include:

Cereal Apples Wholegrain bread Lentils

twinkl.com

Types of Nutrients - Proteins

Types of Nutrients - Carbohydrates



Types of Nutrients - Fats

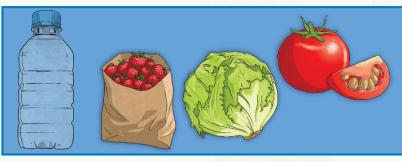
Types of Nutrients - Vitamins



Types of Nutrients - Minerals

Types of Nutrients -Water





Minerals keep your body healthy.

Foods high in minerals include:

Milk Spinach Salt Sweetcorn Water helps to move nutrients in your body and get rid of waste that you don't need. It is an essential nutrient for our survival. While it is really important to drink plenty of water, it is also important to remember that many foods contain water also.

> Foods high in water include: Milk Tomatoes Cucumbers Lettuce Strawberries

Food Groups and Nutrients

Within each food group, there are many foods which contain more than one type of nutrient.

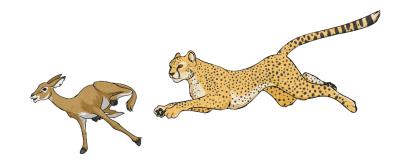
For example, eating broccoli from the fruit and vegetables section would provide with various different nutrients. This food is a great source of minerals (especially a mineral called potassium), a really good source of vitamins and it provides the body with fibre.

Nutrients for Animals

Carnivores eat lots of meat so they get lots of their energy from protein rather than from carbohydrates. Their bodies are designed for this.

A carnivore's diet is mostly made up of protein but meat also provides vitamins, minerals and fats.

Although carnivores have a diet which is high in protein, not all carnivores require the same balance of nutrients.



Herbivores get their energy from eating plants. As plants are often not high in carbohydrates, protein and fats, herbivores have to eat large amounts of plant-based foods to get the energy they need. Some herbivores spend a lot of their day eating.

While some herbivores eat a wide variety of plants, others will only eat a limited number of types, meaning that they consume a smaller range of vitamins and minerals.



Elephants eat a wide variety of plant foods such as branches, fruit, grasses and leaves. Koalas, on the other hand, only eat eucalyptus tree leaves. These leaves do not provide high levels of energy for these animals but as koalas sleep for twenty hours a day, they need less energy than other animals.

Nutrients for Animals

Omnivores get their nutrients from both meat and plants. Omnivores can therefore be more flexible in what they eat, often only eating what is available to them.

For example, a brown bear will eat fish when it can catch them in a river, but it will also pick berries to eat if they are available.

Different omnivores vary in the balance of nutrients they require.



Even pandas, who are famous for eating bamboo for most of their day, occasionally eat rats or birds they catch or find.