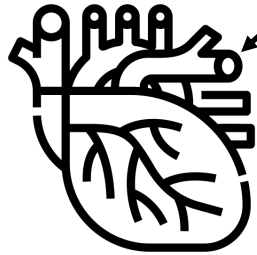


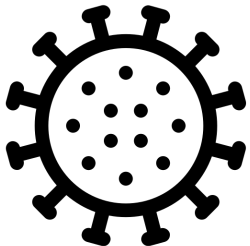
# Y6: 'Blood Heart' knowledge organiser



The **pulmonary artery** carries the blood from the heart to the lungs to collect oxygen.

The **pulmonary vein** carries blood from the lungs to the heart.

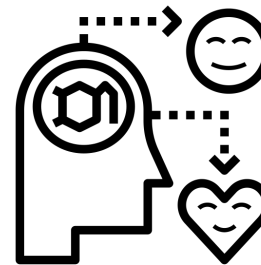
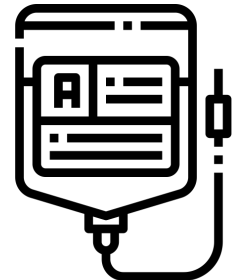
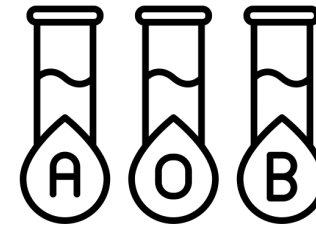
The **blood vessels** are tubes which carry blood around the body through the **circulatory system**. These include arteries, capillaries and veins. The blood is made up of plasma, platelets, white blood cells and red blood cells. Red blood cells include **haemoglobin** which is a red **protein** responsible for carrying oxygen around the



A micro-organism called a **virus** can invade living cells and cause disease and illness.

An **antibody** is a **protein** produced by the body's immune system that fights disease and infection caused by the **virus**.

This can lead to **immunity** to the disease or infection being created.



**Hormones** are chemicals that carry messages around the body to control major bodily functions such as hungry or emotions.

**Alveoli** are tiny air sacs found at the end of bronchioles in the lungs. **Villi** are tiny, finger-like structures in the small intestine. They help to absorb nutrients from your food during digestion.



A balanced diet is very important to have a healthy heart.

Smoking can have a negative effect on the **circulatory system**.

