

Vocabulary

atrium – the two upper chambers of the heart

artery - carries oxygenated blood away from the heart

blood – a red fluid that is pumped around the body by the heart. It delivers needed substances such as nutrients and oxygen to organs and tissue and removes waste products.

blood vessels - a series of tubes inside your body carrying blood through tissues and organs; arteries, veins and capillaries

capillary- microscopic blood vessels found in muscles.

carbon dioxide- a colourless waste gas produced by animals. They breathe carbon dioxide out from their lungs.

drugs - substances which have an effect on the body when ingested. They can be addictive and can damage the heart, brain and other organs.

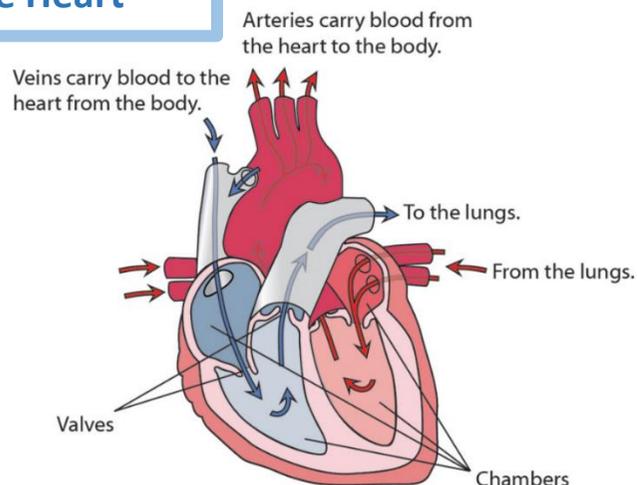
oxygen - a colourless gas in the air. All plants and animals need oxygen in order to live.

vein – a blood vessel that carries carbon-dioxide rich blood to the heart

ventricle – the two lower chambers of the heart

Animals Including Humans (Y6)

The Heart



Big Ws: The heart

Inside the heart there are **four different chambers**. At the **top**, the **left and right atrium** are where blood is **first collected**. At the **bottom**, the **left and right ventricles receive** this blood and pump it to the **lungs** (right ventricle) and **body** (left ventricle).

Big Ws: Effects of drugs on the body

Positive effects

Drugs can help **make someone better**, both mentally and physically

Negative effects

People can become **addicted** drugs

Some drugs can cause cancers

Drugs can cause **damage** to the organs in the body

Important People:

William Harvey (1578 – 1657)

Harvey explained how the heart propelled the blood in a **circular motion** through the body. His work with others also identified that **veins had one-way valves**.



Nutrients are **absorbed** into the blood in the **small intestine**. It is within the **capillaries** where this transfer takes place.

