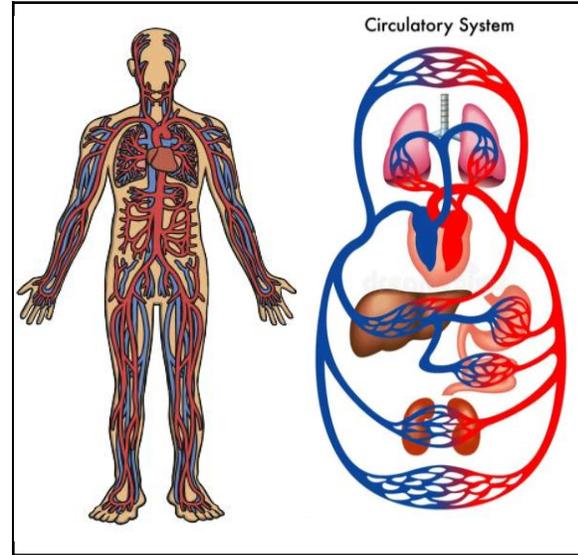


How does the circulatory system help our body to stay alive and healthy?

ESSENTIAL VOCABULARY

Heart	A muscular organ that pumps blood around the body.
Blood vessels	Tubes (arteries, veins, capillaries) that carry blood to and from the heart.
Blood	A liquid that transports oxygen, nutrients and waste around the body.
Circulatory System	The body system made up of the heart, blood and blood vessels.
Oxygen	A gas carried by the blood from the lungs to the body's cells.
Nutrients	Substances in food that the body uses for energy, growth and repair.

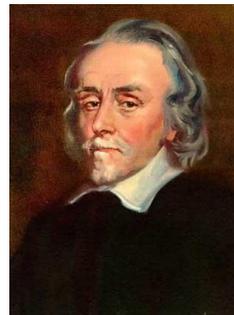


Key Concepts

The circulatory system moves bloody, oxygen and nutrients around the body.
The heart pumps blood through arteries and receives blood through veins.
Blood transports oxygen from the lungs and nutrients from the digestive system.
A healthy diet and regular exercise help the circulatory system work properly.
Drugs and lifestyle choices can affect how well the heart and blood vessels function.
Water and nutrients are absorbed into the blood and transported to where they are needed.

Scientist

William Harvey was an English doctor in the 1600s who discovered that blood circulates around the body in one direction. He proved that the heart works like a pump, sending blood through arteries and returning it through veins. His work changed how people understood the human body and laid the foundations for modern medicine.



What I will know at the end of the unit.

The heart, blood and blood vessels make up the human circulatory system.	
The heart pumps blood around the body, delivering oxygen and nutrients.	
Blood carries oxygen to cells and removes waste like carbon dioxide.	
Diet, exercise, drugs and lifestyle choices can affect how our bodies work.	
Water and nutrients travel through the blood to nourish the body's cells.	