

Knowledge Organiser

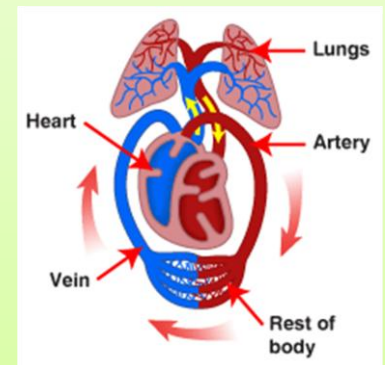
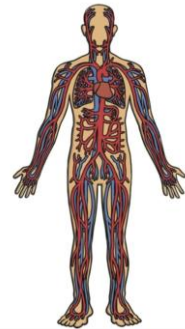


Key Vocabulary

- ❑ **Heart** – A muscular organ that pumps blood around the body.
- ❑ **Blood** – A liquid that travels around the body carrying oxygen and nutrients to cells and removing waste products.
- ❑ **Circulatory System** – The system in the body made up of the heart, blood, and blood vessels that moves blood around the body.
- ❑ **Blood Vessels** – Tubes that carry blood to and from the heart around the body.
- ❑ **Arteries** – Blood vessels that carry blood **away** from the heart to the rest of the body.
- ❑ **Veins** – Blood vessels that carry blood **back** to the heart from the body.
- ❑ **Capillaries** – Very tiny blood vessels where oxygen and nutrients pass from the blood into body cells.
- ❑ **Oxygen** – A gas that is carried in the blood and used by the body to release energy from food.
- ❑ **Nutrients** – Substances from food that living things need to grow, repair their bodies, and stay healthy.
- ❑ **Pulse** – The feeling of blood being pushed through your arteries each time the heart beats.

The Circulatory System

Your Circulatory System



Sticky Knowledge

- ❑ The heart pumps oxygenated blood from the lungs to the rest of the body so cells can release energy for movement, growth, and repair.
- ❑ Blood transports oxygen, glucose, water, and nutrients to body cells.
- ❑ Blood carries carbon dioxide and other waste products away from cells to the lungs and kidneys so they can be removed from the body.
- ❑ The right side of the heart pumps deoxygenated blood to the lungs, and the left side pumps oxygenated blood to the rest of the body.
- ❑ Red blood cells carry oxygen, white blood cells help fight infection, and platelets help the blood to clot and stop bleeding.