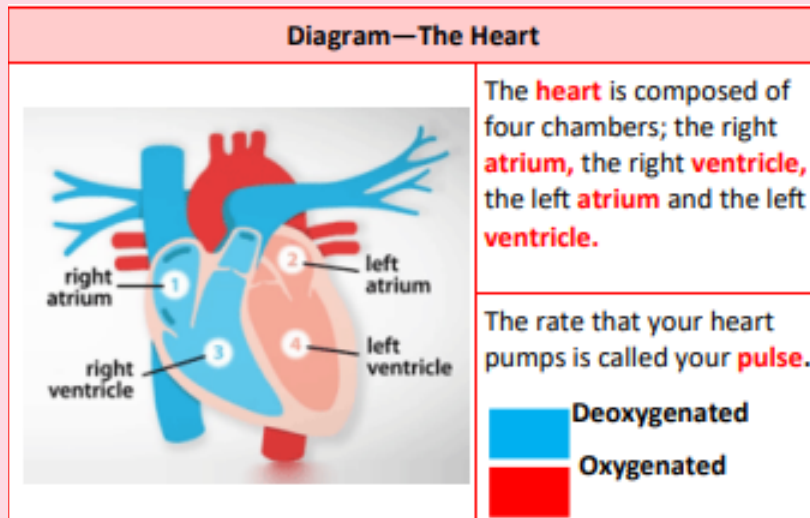


Animals including Humans

Year 4 Knowledge Organiser

Key facts



The Function of the Heart

- | | |
|---|--|
| 1 | Deoxygenated blood flows into the heart from the body through the veins . |
| 2 | This blood is pumped out of the lungs through the pulmonary artery |
| 3 | Blood is then the oxygenated in lungs |
| 4 | Blood returns to the heart through the pulmonary artery |
| 5 | The oxygenated blood is then pumped out of the heart through the aorta . |
| 6 | The blood travels around the body delivering oxygen and nutrients to the organs . |

Exercise helps to maintain a healthy circulatory system by

- Removing fatty deposits from the body
- Toning muscles and reducing fat
- Increasing fitness (ability to do high intensity activities for longer)

Key Vocabulary

- arteries** Tubes in your body that carry oxygenated blood from your heart to the rest of your body
- atrium** the part of the heart that receives blood from the veins.
- blood vessels** narrow tubes that your blood flows through
- carbon dioxide** a gas produced by animals and people breathing out
- circulatory system** the system responsible for circulating blood through the body, that supplies nutrients and oxygen to the body and removes waste products such as carbon dioxide.
- heart** the organ in your body that pumps blood around the body.
- lungs** two organs in your chest which fill with air when you breathe in. They oxygenate the blood and remove carbon dioxide from it
- nutrients** substances that help animals and plants grow
- organ** a part of the body that has a particular purpose and performs specific functions
- oxygen** a colourless gas that plants and animals need to survive
- oxygenated** blood that contains oxygen.
- pulse** the regular beating of blood through your body. How fast or slow your pulse rate is depends on how active you are.
- respiration** inhaling oxygen-rich air and exhaling air filled with carbon dioxide
- veins** a tube in your body that carries deoxygenated blood to your heart from the rest of your body.
- ventricle** the part of the heart from which blood passes into the arteries.