

# Knowledge Organiser Science Year 6 The Human body—systems

## Key Vocabulary

Aorta	The largest artery supplying oxygenated blood to the rest of the body
Atria	The plural of 'atrium'. The upper chambers of the heart
Carbon dioxide	A colourless gas produced by animals and people breathing out
Cardiovascular	Relating to the heart and blood vessels
Deoxygenated	To be depleted of oxygen
Heart	The muscular organ in your chest that pumps the blood around your body
Lungs	The two spongy organs inside your chest which fill with air when you breathe in. They remove carbon dioxide from blood and add oxygen
Oxygen	A colourless gas that exists in large quantities in the air. All plants and animals need oxygen in order to live.
Oxygenated	To be enriched with oxygen
Pulmonary	Relating to the lungs
Valves	Found between the atria and ventricles they open and close to allow the blood to flow through the heart
Ventricles	The lower chambers of the heart

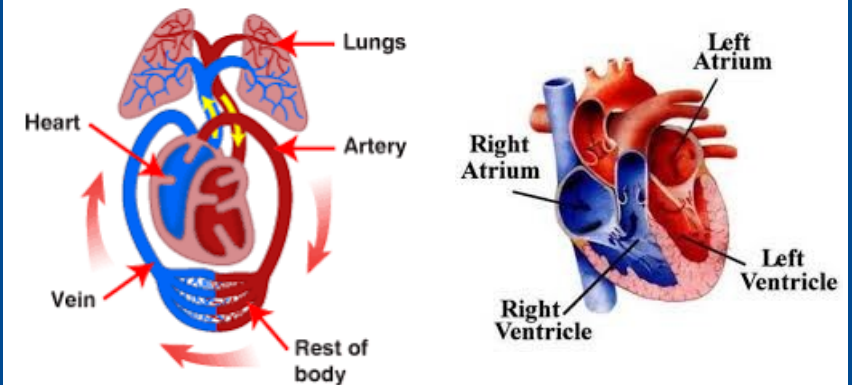
## Keeping healthy

Diet, exercise, drugs and other lifestyle choices have an impact on how our bodies function. This can affect how well our heart and lungs work and how fit and well we feel.

Some choices such as smoking and drinking alcohol are harmful to our health.

## The Heart and Circulatory system

The circulatory system transports nutrients and water in the blood to all the parts of the body that need them. These nutrients provide us with energy.



## Blood vessels

**Arteries** carry oxygenated blood away from the heart

**Capillaries** transfer oxygen from the blood stream to other tissues in the body

**Veins** carry deoxygenated blood back to the heart

