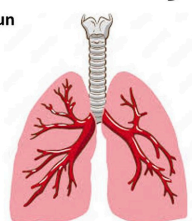


Vocabulary

Pulmonary

noun

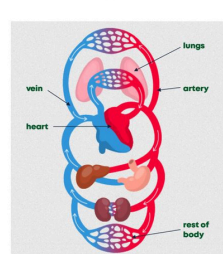


Meaning

Pulmonary refers to the lungs - the word comes from Latin pulmonarius, from pulmo, pulmon-'lung'.

Circulatory System

noun

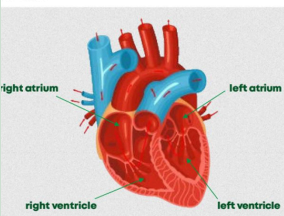


Meaning

This is a bodily system made up of the heart, blood vessels and blood that delivers essential materials to cells whilst removing waste products

atria

noun

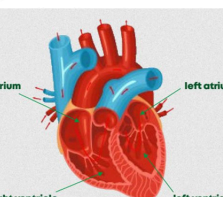


Meaning

atria is the plural of 'atrium'; the upper chambers of the heart. Atrium is a Latin word for the main room in a Roman house.

ventricles

noun

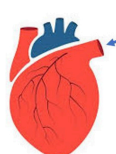


Meaning

Ventricles are the lower chambers of the heart

aorta

noun

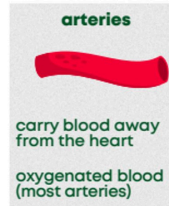


Meaning

The **aorta** is the largest artery supplying oxygenated blood to the rest of the body

arteries

Noun

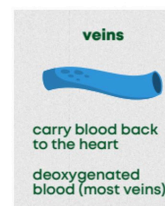


Meaning

An **artery** is a tube that blood cells travel through around the body from the heart.

veins

noun

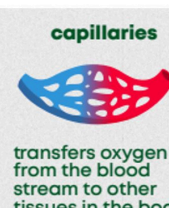


Meaning

A **vein** is a tube that carries blood cells back to the heart

capillaries

noun

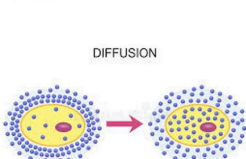


Meaning

Capillaries are tiny vessels where oxygen gets transferred to cells

diffusion

noun



Meaning

The walls of cells are very thin to allow for easy **diffusion** of gases, nutrients, water and waste products which are exchanged. Diffusion is the movement of particles from where there are more to where there are less.

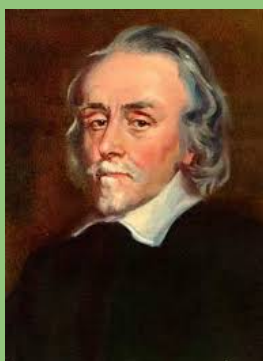
pulse rate

noun



Meaning

Your **pulse rate** is the number of heart beats you have per minute.



William Harvey (born in 1578) was a doctor and scientist who suggested the heart was at the centre of a circulatory system that moved blood around the body.

What I already know...

From Year 2 I know that we have a circulatory system that pumps red blood cells around the body through veins and arteries.

At the end of this unit I will know...

- The heart pumps blood around the body.
- The left atrium and left ventricle carry oxygenated blood which is pumped around the body.
- The right atrium and right ventricle carry deoxygenated blood which is pumped out to the lungs.
- All cells in our body need oxygen.
- Arteries carry oxygenated blood from the heart to cells.
- Veins carry deoxygenated blood from the cells back to the heart.
- Heart rate increases when you exercise as cells use more oxygen.
- Drugs and poor health can affect how well the heart works.

How I will be working scientifically

Observation over time

Observing changes that occur over a period of time ranging from minutes to months.



Comparative / fair testing

Changing one variable to see its effect on another, whilst keeping all others the same.



Problem-solving

Applying prior scientific knowledge to find answers to problems.

