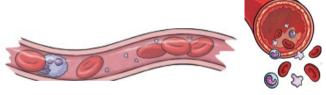
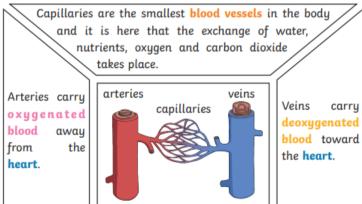


Y6 Thinking like a scientist

Key Knowledge:

- Mammals have hearts with four chambers.
- Blood that has come from the body is deoxygenated, and the blood that has come from the lungs is oxygenated.
- The **heart** pumps blood to the lungs to get **oxygen**. It then pumps this **oxygenated blood** around the body.
- Red blood cells carry oxygen through your body.
- White blood cells fight infection when you're sick.
- Platelets help you stop bleeding when you get hurt.
- Plasma is liquid. The other parts of your blood are solid.
- Blood transports: gases (mostly oxygen and carbon dioxide); nutrients (including water) and waste products
- Regular exercise: strengthens muscles including the heart muscle; improves circulation; increases the amount of oxygen around the body; releases brain chemicals which help you feel calm and relaxed; helps you sleep more easily and strengthens bones.
- Drugs, alcohol and smoking have negative effects on the body.





heart	blood	oxygenated
Deoxygen- ated	circulatory system	alcohol
nutrients	chambers	drug

Learning Questions

Why is the circulatory system?

What is the role of the heart?

What is blood?

How does our lifestyle effect our circulatory system?

Why does our heart beat faster when we exercise?

