

The Circulatory System

Chapter 19: The Circulatory System · Topic 1

Key Concept

The heart is a muscular organ that pumps blood, contracting and relaxing to push blood through blood vessels.

Arteries carry oxygen-rich blood away from the heart, while veins carry oxygen-poor blood back to the heart.

Blood contains red blood cells (carrying oxygen), white blood cells (fighting infection), and platelets (helping clotting).

The circulatory system ensures every cell in our body receives the oxygen and nutrients needed to function properly.

Quick Revision Notes

- The heart pumps blood throughout the body.
- It contracts and relaxes to push blood.
- Arteries carry oxygen-rich blood from the heart.
- Veins carry oxygen-poor blood to the heart.
- Red blood cells carry oxygen.
- White blood cells fight infection.
- Platelets help blood clot.
- The circulatory system delivers oxygen to all cells.

Practice Questions

- 1 Draw and label the circulatory system.
- 2 Discuss the difference between arteries and veins.
- 3 Explain what red blood cells do.
- 4 Research what platelets do.
- 5 Feel your pulse and discuss what it represents.
- 6 Explain why the circulatory system is essential.