

Human Body and Organ Systems

Chapter 11: Human Body and Organ Systems · Topic 1

Key Concept

The digestive system breaks down food into nutrients, involving organs like the stomach, small intestine, and large intestine.

The respiratory system, including the lungs, facilitates the exchange of oxygen and carbon dioxide essential for cellular respiration.

The circulatory system, centred on the heart, transports blood, oxygen, and nutrients throughout the body via blood vessels.

The nervous system, including the brain and spinal cord, coordinates body functions and responses to the environment.

Quick Revision Notes

- Digestive system: breaks down food.
- Organs: stomach, small/large intestine.
- Respiratory system: exchanges O₂, CO₂.
- Includes lungs, essential for respiration.
- Circulatory system: transports blood.
- Centred on heart, uses blood vessels.
- Nervous system: coordinates body functions.
- Includes brain, spinal cord.

Practice Questions

- 1 Diagram the digestive system's main organs.
- 2 Discuss the respiratory system's function.
- 3 Discuss how the circulatory system works.
- 4 Discuss the nervous system's role.
- 5 Research how these systems work together.
- 6 Explain one organ system in your own words.