

Substances, Objects and Energy

Chapter 24: Substances, Objects and Energy · Topic 1

Key Concept

A substance is any type of matter with distinct properties, like water, iron, or wood, that makes up objects around us.

An object is a physical thing made from one or more substances, like a chair (made of wood) or a spoon (made of metal).

Energy is the ability to do work or cause change, existing in forms like heat, light, and motion, powering everything around us.

Understanding substances, objects, and energy helps us make sense of the physical world and how things interact around us.

Quick Revision Notes

- A substance is matter with distinct properties.
- Examples: water, iron, wood.
- An object is made from substances.
- Example: a chair (wood).
- Energy is the ability to do work.
- Forms: heat, light, motion.
- Energy powers everything around us.
- These concepts explain the physical world.

Practice Questions

- 1 List three substances around you.
- 2 List three objects and their substances.
- 3 Discuss an example of energy in daily life.
- 4 Draw an object and label its substance.
- 5 Discuss the difference between a substance and an object.
- 6 Explain energy in your own words.