

How Everyday Devices Work

Chapter 7: How Things Work · Topic 2

Key Concept

An electric fan uses electricity to power a motor, which spins blades to move air and create a cooling breeze.

A light bulb uses electricity passing through a filament (or LED component), producing light through heat or electronic processes.

Simple toys, like wind-up toys, store energy when wound and release it slowly to create movement, using basic mechanical principles.

Understanding how everyday devices work helps us appreciate the science behind objects we use daily and sparks curiosity about how things function.

Quick Revision Notes

- An electric fan uses a motor to spin blades.
- The motor is powered by electricity.
- A light bulb produces light using electricity.
- Wind-up toys store and release energy to move.
- Devices use principles of electricity, motion or mechanics.
- Understanding devices builds appreciation for everyday science.
- Curiosity about devices can inspire further learning.
- Simple principles power many devices we use daily.

Practice Questions

- 1 Find an electric device at home and discuss how it might work.
- 2 Observe a fan and explain what makes the blades spin.
- 3 Try a wind-up toy and explain how it stores energy.
- 4 Research how a light bulb works.
- 5 Discuss why understanding devices is interesting.
- 6 Draw a simple diagram of how a fan works.