

Energy Resources

Chapter 9: Energy Resources · Topic 1

Key Concept

Fossil fuels like coal, oil, and natural gas are widely used for energy but are non-renewable and cause pollution when burned.

Solar energy harnesses sunlight using solar panels, providing a clean, renewable energy source without pollution.

Wind energy uses wind turbines to generate electricity, another clean and renewable energy source growing in popularity.

Hydropower uses flowing or falling water to generate electricity, providing a reliable renewable energy source in many regions.

Quick Revision Notes

- Fossil fuels: coal, oil, natural gas.
- They're non-renewable, cause pollution.
- Solar energy: uses sunlight via panels.
- It's clean and renewable.
- Wind energy: uses wind turbines.
- It's also clean, renewable, growing.
- Hydropower: uses flowing/falling water.
- It's a reliable renewable source.

Practice Questions

- 1 List two renewable and two non-renewable energy sources.
- 2 Discuss why solar energy is considered clean.
- 3 Research how a wind turbine generates electricity.
- 4 Discuss the environmental impact of fossil fuels.
- 5 Discuss where hydropower might be used.
- 6 Draw a diagram of a renewable energy source.