

Minerals and Ores

Chapter 7: Minerals and Ores · Topic 1

Key Concept

Minerals like iron, copper, and gold occur naturally in rocks, and some are valuable for making tools, jewellery, and electronics.

An ore is a rock that contains a high enough concentration of a mineral to make mining it worthwhile.

Mining involves extracting ores from the ground, then processing them to separate and purify the valuable minerals.

Minerals and ores are important resources used in construction, manufacturing, and technology industries worldwide.

Quick Revision Notes

- Minerals are natural substances in Earth's crust.
- Examples: iron, copper, gold.
- Minerals are used in tools, jewellery, electronics.
- An ore is a rock with mineable mineral concentration.
- Mining extracts ores from the ground.
- Processing separates and purifies minerals.
- Minerals are used in construction and manufacturing.
- Minerals support many industries worldwide.

Practice Questions

- 1 Name three minerals and their uses.
- 2 Discuss the difference between a mineral and an ore.
- 3 Research a mineral mined in India.
- 4 Explain what mining involves.
- 5 Discuss why minerals are important for technology.
- 6 Find an object made from a mineral resource.