

CHAPTER-4 | The World of Metals and Non-metals

QUIZ
PART-01

1. Which of the following materials are classified as metals in the lesson?

- A. Coal, sulfur, wood
- B. Copper, aluminium, iron
- C. Wood, copper, coal
- D. Sulfur, aluminium, wood (B)

Explanation: Copper, aluminium, and iron are identified as metals based on their appearance and hardness.

2. Which property refers to the shiny appearance of a material?

- A. Hardness
- B. Ductility
- C. Lustre
- D. Sonority (C)

Explanation: Lustre describes the shiny appearance of materials such as metals.

3. Which of the following materials is non-lustrous?

- A. Copper
- B. Aluminium
- C. Iron
- D. Coal (D)

Explanation: Coal is non-lustrous, unlike metals such as copper, aluminium, and iron.

4. What happens when metals like copper and aluminium are beaten with a hammer?

- A. They break into pieces
- B. They melt
- C. They flatten
- D. They burn (C)

Explanation: Metals flatten on hammering due to their malleability.

5. Which property allows a material to be beaten into thin sheets?

- A. Ductility
- B. Malleability
- C. Hardness
- D. Brittleness (B)

Explanation: Malleability is the property by which materials can be beaten into thin sheets.

6. Which metals are mentioned as the most malleable?

- A. Iron and copper
- B. Aluminium and iron
- C. Gold and silver
- D. Sodium and potassium (C)

Explanation: Gold and silver are described as the most malleable metals.

7. Coal and sulfur break into pieces when hammered. Such materials are called _____.

- A. Ductile
- B. Malleable
- C. Brittle
- D. Lustrous (C)

Explanation: Materials that break into pieces on hammering are called brittle.

8. Which material is neither malleable nor brittle?

- A. Coal
- B. Sulfur
- C. Wood
- D. Aluminium (C)

Explanation: Wood is stated to be neither malleable nor brittle.

9. Which metal mentioned in the lesson is NOT hard?

- A. Iron
- B. Aluminium
- C. Copper
- D. Sodium (D)

Explanation: Sodium is a metal that is soft and not hard like iron or copper.

10. Which ancient civilisation used metals like copper and gold to make utensils and jewellery?

- A. Egyptian civilization
- B. Roman civilization
- C. Harappan civilization
- D. Greek civilization (C)

Explanation: The Harappans used metals such as copper and gold to make various objects.