

Metals and Non-Metals Quiz

If you're looking to test your knowledge, the quiz below will help reinforce your understanding of the topic. PDF quiz has been developed by us to assess your comprehension of the subject matter.

1. Which of the following is a property of metals?

- a) Poor conductor of heat
- b) Malleable
- c) Brittle
- d) Low melting point

Answer: b) Malleable

2. Which of the following is a non metal?

- a) Copper
- b) Sulphur
- c) Aluminium
- d) Zinc

Answer: b) Sulphur

3. Metals react with oxygen to form:

- a) Acidic oxides
- b) Basic oxides
- c) Neutral oxides
- d) None of the above

Answer: b) Basic oxides

4. Which property is NOT a characteristic of non metals?

- a) Low conductivity
- b) Brittle
- c) High density

d) Low melting and boiling points

Answer: c) High density

5. What is the state of mercury at room temperature?

a) Solid

b) Liquid

c) Gas

d) Plasma

Answer: b) Liquid

6. Which metal is used in making electrical wires due to its high conductivity?

a) Zinc

b) Iron

c) Copper

d) Lead

Answer: c) Copper

7. Non-metals typically react with oxygen to form:

a) Basic oxides

b) Acidic oxides

c) Salts

d) Neutral oxides

Answer: b) Acidic oxides

8. Which of the following is a poor conductor of electricity?

a) Iron

b) Silver

c) Plastic

d) Aluminium

Answer: c) Plastic

9. Which property allows metals to be hammered into thin sheets?

- a) Ductility
- b) Malleability
- c) Conductivity
- d) Sonority

Answer: b) Malleability

10. What is the property of metals that allows them to be drawn into wires?

- a) Hardness
- b) Brittleness
- c) Ductility
- d) Conductivity

Answer: c) Ductility

11. Which of the following is NOT a use of non metals?

- a) Insulation in electrical wires
- b) Building materials
- c) Fuel combustion
- d) Fertilizers

Answer: b) Building materials

12. Metals are generally:

- a) Dull in appearance
- b) Poor conductors of heat
- c) Sonorous
- d) Brittle

Answer: c) Sonorous

13. Non metals that are gaseous at room temperature include:

- a) Nitrogen
- b) Magnesium

c) Iron

d) Silver

Answer: a) Nitrogen

14. Which of the following metals is the least reactive?

a) Potassium

b) Sodium

c) Gold

d) Magnesium

Answer: c) Gold

15. Which non-metal is essential for respiration?

a) Carbon

b) Oxygen

c) Nitrogen

d) Phosphorus

Answer: b) Oxygen

16. What is the main component of steel?

a) Copper

b) Iron

c) Zinc

d) Aluminium

Answer: b) Iron

17. Which of the following is NOT a physical property of non-metals?

a) Poor conductivity

b) Ductility

c) Brittle when solid

d) Low density

Answer: b) Ductility

18. The oxide formed when carbon reacts with oxygen is:

- a) Carbon monoxide
- b) Carbon dioxide
- c) Carbon tetroxide
- d) Carbon sulphide

Answer: b) Carbon dioxide

19. The metal commonly used in the construction of aircraft is ?

- a) Aluminium
- b) Lead
- c) Zinc
- d) Mercury

Answer: a) Aluminium

20. Which of the following is an example of a non-metal used in fertilizers?

- a) Zinc
- b) Sulphur
- c) Phosphorus
- d) Aluminium

Answer: c) Phosphorus

With this quiz, you can assess how well you understand the properties and differences between **metals vs nonmetals**. For more in-depth learning, explore chemistry courses or interactive learning platforms that offer quizzes, exercises, and more practical lessons on this topic.