

# METALS, NON METALS, MINERALS, ORES, PROPERTIES, USES BASED GENERAL SCIENCE MCQ PRACTICE QUESTIONS AND ANSWERS PDF WITH EXPLANATION

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**Q1.** Which of the following is lighter than water?

- a) Sodium
  - b) Magnesium
  - c) Aluminium
  - d) Manganese
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**Q2.** Which of the following statements regarding non-metals is false?

- a) The black material inside a pencil is metal lead.
  - b) 11 non-metals are in gaseous state.
  - c) Gas carbon is a good conductor of heat and electricity.
  - d) All non-metals are non-sonorous in nature.
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**Q3.** The softest mineral, Talc (Soapstone) is mainly

- a) Sodium Silicate
  - b) Sodium Phosphate
  - c) Manganese Silicate
  - d) Magnesium Silicate
- 

**Q4.** Which one of the following metals is liquid at ordinary temperature?

- a) Nickel
- b) Mercury
- c) Lead

d) Tin

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**Q5.** Deionised water is produced by

- a) Ion-exchange resin process
- b) Clark's process
- c) Calgon process
- d) Permutit process

**Q6.** Pure gold is –

- a) 20 carats
- b) 24 carats
- c) 22 carats
- d) 18 carats

**Q7.** Which of the following have low melting and boiling points?

- a) Iron
- b) Phosphorus
- c) Sodium
- d) Both (b) and (c)

**Q8.** Which of the following statement regarding non-metals is true?

- a) Non-metals are non-lustrous with dull appearance. Graphite, an allotrope of carbon and iodine have shining lustrous surfaces.
- b) Non-metals are of two types only solids and gases.

c) Non-metals reacts with oxygen to form basic oxides generally.

d) Non-metals replace hydrogen from acids.

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**Q9.** Heaviest metal of the following is made of

a) Uranium

b) Aluminium

c) Copper

d) Silver

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**Q10.** Which of the following is **not** an ore?

a) Zinc blende

b) Bauxite

c) Malachite

d) Pig iron

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**Q11.** Bauxite is the ore of

a) Aluminium

b) Copper

c) Iron

d) Gold

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**Q12.** These days yellow lamps are frequently used as street light. Which one of the following is used in these lamps?

a) Neon

b) Hydrogen

c) Sodium

d) Nitrogen

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**Q13.** The chemical name of limestone is

- a) Magnesium Chloride
- b) Sodium Chloride
- c) Calcium Carbonate
- d) Sodium Sulphate

**Q14.** Calcination is the process of heating the ore

- a) in presence of air
- b) in a blast furnace
- c) in absence of air
- d) none of these

**Q15.** Mica is a

- a) Bad conductor of both heat and electricity
- b) Good conductor of heat and electricity both
- c) Good conductor of heat and bad conductor of electricity
- d) Bad conductor of heat and good conductor of electricity

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**Answers to the above questions :**

**Q1. Answer: (a)**

**Q2. Answer: (a)**

The black material inside a pencil is not metal lead. Actually it is graphite, a non-metal.

**Q3. Answer: (d)**

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**Q4. Answer: (b)**

**Q5. Answer: (a)**

**Q6. Answer: (b)**

**Q7. Answer: (d)**

Phosphorus is a non-metal and non-metals have low melting and boiling points.

Although sodium is a metal, it has low melting and boiling point.

**Q8. Answer: (a)**

**Q9. Answer: (a)**

**Q10. Answer: (d)**

Pig iron ? It is the most impure form of iron and contains the highest proportion of carbon (2.5–4%).

Rest all are ore.

Malachite ?  $\text{Cu}(\text{OH})_2 \text{CuCO}_3$ ,

Zinc blende ?  $\text{ZnS}$ , Bauxite ?  $\text{Al}_2\text{O}_3 \cdot 2\text{H}_2\text{O}$

**Q11. Answer: (a)**

**Q12. Answer: (c)**

**Q13. Answer: (c)**

**Q14. Answer: (c)**

**Q15. Answer: (c)**

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