

# 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 the electron configuration of a metallic element?

- a) 2, 8, 7
  - b) 2, 8, 8
  - c) 2, 8
  - d) 2, 8, 8, 2
- 

**Q2. Assertion (A):**

Sodium metal is stored under kerosene.

**Reason (R):**

Metallic sodium melts when exposed to air.

- a) Both (A) and (R) are true, but (R) is not the correct explanation of (A)
  - b) (A) is true, but (R) is false
  - c) Both (A) and (R) are true and (R) is the correct explanation of (A)
  - d) (A) is false, but (R) is true
- 

**Q3.** Formula of magnetite is

- a)  $\text{FeCO}_3$
  - b)  $\text{Fe}_2\text{O}_3$
  - c)  $\text{FeS}_2$
  - d)  $\text{Fe}_3\text{O}_4$
- 

**Q4.** Which allotropy of carbon is in rigid three- dimensional structure?

- a) Fullerene

- b) Diamond
- c) Graphite
- d) Carbon black

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**Q5.** The main constituents of pearl are

- a) Aragonite and Conchiolin
- b) Ammonium Sulphate and Sodium Carbonate
- c) Calcium Carbonate and Magnesium Carbonate
- d) Calcium Oxide and Ammonium Chloride

**Q6.** One of the constituents of amalgam is

- a) iron
- b) aluminium
- c) copper
- d) mercury

**Q7.** The form of carbon known as graphite

- a) contains a higher percentage of carbon than diamond
- b) is a better electrical conductor than diamond
- c) is harder than diamond
- d) has equal carbon-to-carbon distances in all directions

**Q8.** Which of the following statement is false?

- a) Mercury is the only liquid metal.

- b) Metals are good conductors of heat and electricity.
  - c) Gold, Silver and Zinc are most malleable metals.
  - d) Bromine is the only liquid non-metal.
- 

**Q9.** Which one of the following materials is very hard and very ductile?

- a) Tungsten
  - b) Cast iron
  - c) Carborundum
  - d) Nichrome
- 

**Q10.** A glass of water does not turn into ice as it reaches 0 °C. It is because

- a) a certain amount of heat must be supplied to the glass of water so as to solidify
  - b) a certain amount of heat must be taken out from the glass of water so as to solidify
  - c) water does not solidify at 0°C
  - d) water solidifies at 0 K only
- 

**Q11.** Which of the following materials has the highest electrical conductivity?

- a) Silver
  - b) Graphite
  - c) Diamond
  - d) Wood
- 

**Q12.** Which of the following is mainly used for the production of Aluminium?

- a) Lignite
- b) Bauxite
- c) Hematite
- d) Magnetite

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**Q13.** Which of the following is an oxide ore?

- a) Haematite
- b) Bauxite
- c) Cuprite
- d) All of these

**Q14.** The chief ore of aluminium is

- a) alunite
- b) bauxite
- c) cryolite
- d) feldspar

**Q15.** Which one of the following is the correct order in which the gases  $H_2$ , Ne,  $O_2$  and  $N_2$  are evolved on fractional distillation of liquid air?

- a)  $H_2$ , Ne,  $N_2$ ,  $O_2$
- b)  $N_2$ ,  $O_2$ , Ne,  $H_2$
- c)  $H_2$ , Ne,  $O_2$ ,  $N_2$
- d)  $O_2$ ,  $N_2$ ,  $H_2$ , Ne

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**Answers to the above questions :**

**Q1. Answer: (d)**

**Q2. Answer: (b)**

**Q3. Answer: (d)**

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**Q4. Answer: (b)**

**Q5. Answer: (a)**

**Q6. Answer: (d)**

**Q7. Answer: (b)**

**Q8. Answer: (c)**

Gold and Silver are most malleable metals whereas zinc metal is non-malleable and brittle.

**Q9. Answer: (d)**

**Q10. Answer: (b)**

**Q11. Answer: (a)**

**Q12. Answer: (b)**

**Q13. Answer: (d)**

Bauxite –  $\text{Al}_2\text{O}_3$

Haematite –  $\text{Fe}_2\text{O}_3$

Cuprite –  $\text{Cu}_2\text{O}$

**Q14. Answer: (b)**

Bauxite is  $\text{Al}_2\text{O}_3 \cdot 2\text{H}_2\text{O}$ .

**Q15. Answer: (a)**

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