

Metals and Non-metals – Class X – Paper Set 1

- Which property of metals allows them to be drawn into thin wires?
 - Malleability
 - Ductility
 - Sonority
 - Conductivity
- Which metal is stored in kerosene oil due to its high reactivity with air?
 - Copper
 - Iron
 - Sodium
 - Gold
- What is formed when a metal reacts with oxygen?
 - Acidic oxide
 - Basic oxide
 - Neutral oxide
 - Amphoteric oxide
- Which metal is used to make the filament of an electric bulb?
 - Copper
 - Tungsten
 - Iron
 - Aluminium
- What is the reaction of magnesium with water at room temperature?
 - It reacts vigorously
 - It reacts slowly with cold water
 - It does not react
 - It reacts only with hot water
- Which of these metals will not displace hydrogen from acids?
 - Zinc
 - Iron
 - Copper
 - Magnesium
- What type of oxide is zinc oxide?
 - Acidic
 - Basic
 - Amphoteric
 - Neutral

8. Which of the following is a property of ionic compounds?
- (a) High melting and boiling points (b) Solubility in petrol
(c) Poor electrical conductivity in molten state (d) Low hardness
9. Which metal does not corrode even at high temperatures?
- (a) Iron (b) Copper
(c) Silver (d) Gold
10. What is the name of the alloy of copper and zinc?
- (a) Bronze (b) Brass
(c) Solder (d) Steel

Answers for Paper Set 1:

1. (b), 2. (c), 3. (b), 4. (b), 5. (d), 6. (c), 7. (c), 8. (a), 9. (d), 10. (b)