

Metals and Non-metals – Class X – Paper Set 2

- Which of the following metals can be cut with a knife?
 - Iron
 - Sodium
 - Zinc
 - Copper
- What happens when copper reacts with moist carbon dioxide?
 - It forms copper oxide
 - It forms copper nitrate
 - It forms copper carbonate
 - It forms copper sulphate
- Which gas is released when a metal reacts with dilute hydrochloric acid?
 - Oxygen
 - Nitrogen
 - Carbon dioxide
 - Hydrogen
- What type of reaction is it when iron displaces copper from copper sulphate?
 - Combination reaction
 - Decomposition reaction
 - Displacement reaction
 - Double displacement reaction
- Which non-metal is a good conductor of electricity?
 - Sulphur
 - Phosphorus
 - Graphite
 - Iodine
- What is the main metal in stainless steel?
 - Copper
 - Aluminium
 - Iron
 - Zinc
- What is produced when magnesium reacts with steam?
 - Magnesium oxide and hydrogen
 - Magnesium hydroxide and hydrogen
 - Magnesium chloride and hydrogen
 - Magnesium sulphate and hydrogen
- Which of these is an amphoteric oxide?

- (a) Sodium oxide
- (b) Potassium oxide
- (c) Aluminium oxide
- (d) Carbon dioxide

9. What is aqua regia?

- (a) Mixture of nitric acid and hydrochloric acid
- (b) Mixture of sulphuric acid and hydrochloric acid
- (c) Mixture of acetic acid and hydrochloric acid
- (d) Pure nitric acid

10. Why are food cans coated with tin instead of zinc?

- (a) Tin is less reactive than zinc
- (b) Tin is cheaper than zinc
- (c) Tin has a lower melting point than zinc
- (d) Tin is more reactive than zinc

Answers for Paper Set 2:

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