

**1. Magnesium ribbon is cleaned before burning. Why**

- A. It absorbs moisture from atmosphere which interfere with burning.
- B. Its outer layer form oxides which interfere with burning.
- C. Dust from atmosphere prevent its burning.
- D. All of the above

**2. Balanced equation of  $\text{Fe} + \text{H}_2\text{O} \rightarrow \text{Fe}_3\text{O}_4 + \text{H}_2$  is**

- A.  $\text{Fe} + 4\text{H}_2\text{O} \rightarrow \text{Fe}_3\text{O}_4 + \text{H}_2$
- B.  $\text{Fe} + 4\text{H}_2\text{O} \rightarrow \text{Fe}_3\text{O}_4 + 4\text{H}_2$
- C.  $3\text{Fe} + 4\text{H}_2\text{O} \rightarrow \text{Fe}_3\text{O}_4 + 4\text{H}_2$
- D.  $3\text{Fe}(\text{s}) + 4\text{H}_2\text{O}(\text{l}) \rightarrow \text{Fe}_3\text{O}_4(\text{s}) + 4\text{H}_2(\text{g})$

**3. What is the formula of quick lime. What does it form when put into water.**

- A.  $\text{CaO}$ ,  $\text{CaCO}_3$
- B.  $\text{CaO}$ ,  $\text{Ca}(\text{OH})_2$
- C.  $\text{Ca}(\text{OH})_2$ ,  $\text{CaCO}_3$
- D. None

**4. Compound used for whitewashing is**

- A. Quick lime
- B. Slaked Lime
- C. Blue vitriol
- D. Limestone

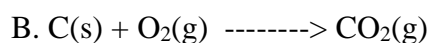
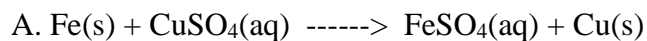
**5. Electrolysis of water is**

- A. Combination reaction
- B. Decomposition reaction

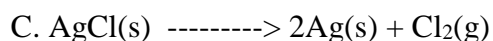
C. Displacement reaction

D. None

**6. Example of displacement reaction is**



Sunlight



D. None

**7. Lead nitrate  $\text{Pb(NO}_3)_2$  on heating forms Lead oxide (PbO) solid and Nitrogen dioxide gas. What is the colour of lead oxide and nitrogen dioxide.**

A. White, Colourless

B. White, Brown

C. Yellow, Brown

D. Yellow, Colourless

**8. Silver chloride on exposure to sunlight decomposes into silver and chlorine gas. This property is used in**

A. Heat production as enormous energy is released.

B. Silver extraction as earth contains silver mainly in silver chloride form.

C. Photography as it forms grey silver from an image imprint.

D. None

**9. Quick lime is used in whitewashing because**

A. It is cheap

B. It forms slaked lime with water which has a nice colour.

C. It forms slaked lime with water which reacts with atmospheric carbon dioxide to form limestone.

D. None

**10. Example of a double displacement reaction will be**

A. Metal with a salt

B. Metal with an acid

C. Metal with metal

D. Salt with a salt

**11. Reaction of hydrogen with oxygen to form water is a**

A. Endothermic reaction

B. Exothermic reaction

C. Decomposition reaction

D. Reaction not feasible

**12. Ferrous sulfate solution is green while ferric oxide formed by its decomposition is**

A. Red

B. White

C. Brown

D. Yellow

**13. Corrosion or rusting of iron metal is**

A. Oxidation of iron

B. Reduction of iron

C. Displacement of iron

D. None

**14. Rancidity of fat or oil is**

A. Degradation by micro organism

- B. Oxidation of fat
- C. Reduction of fat
- D. None

**15. To facilitate electrolysis of water we add a few drops of acids like sulfuric acid or salts like NaCl. Because**

- A. It acts as catalyst
- B. It prevent decomposition of electrodes used.
- C. It increases electrical conductivity of water.
- D. None

**16. Food manufacture pack fried foods with which gas to prevent oxidation of fat?**

- A. Oxygen
- B. Nitrogen
- C. Any of the above
- D. None

**17. Oxidation reaction is**

- A. Addition of oxygen atom
- B. Removal of hydrogen atom
- C. Loss of electron
- D. All

Answers: 1(B), 2(D), 3(B), 4(B), 5(B), 6(A), 7(C), 8(C), 9(C), 10(D), 11(B), 12(C), 13(C), 14(B), 15(C), 16(B), 17(D)

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