

Level - 1	DTS-1
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- 1.(B) Oxide of hydrogen is neutral but oxides of metals are basic in nature.
- 2.(C) Cu cannot displace hydrogen from dilute acid as they are less reactive than hydrogen.
- 3.(B) BeH_2 has significant covalent character because of high polarising power of Be^{2+} .
- 4.(D) All statements are correct
- 5.(C) Temporary hardness of water is due to presence of bicarbonates of Ca and Mg.
- 6.(A) Permanent hardness in water is due to presence of the chloride and sulphates of Mg and Ca.
- 7.(A) Calgon is sodium hexametaphosphate, $\text{Na}_2[\text{Na}_4(\text{PO}_3)_6]$
- 8.(B) De-ionised water is prepared by ion-exchange method.
- 9.(D) Aluminium can't be reduced by H_2O_2
- 10.(A) $\text{SO}_3 + \text{D}_2\text{O} \longrightarrow \text{D}_2\text{SO}_4$
- 11.(B) Washing soda is $\text{Na}_2\text{CO}_3 \cdot 10\text{H}_2\text{O}$
- 12.(B) Sodium metal reacts with pyrole, Alcohol and water.
- 13.(D) LiF is more soluble than CsF due to high hydration energy of LiF.
- 14.(A) Alkali metals have least I.E.
- 15.(B) Most abundant alkali metal in nature is Na.