

DPP

DAILY PRACTICE PROBLEMS

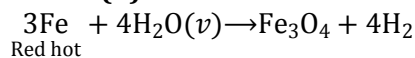
CLASS : XIIth
DATE :

SOLUTION

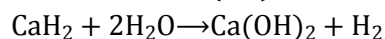
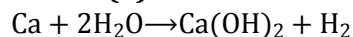
SUBJECT : CHEMISTRY
DPP NO. : 4

Topic :-HYDROGEN

1 (d)



2 (b)



3 (b)

Atomic mass of helium (${}^4_2\text{He}$) is maximum.

4 (b)

$$M = \frac{5.1 \times 1000}{34 \times 100} = 1.5$$

5 (a)

Hg is placed below H in electrochemical series.

6 (d)

Deionised or demineralised water is obtained by passing hard water through both cation and anion exchangers one after the other

7 (a)

Eq.wt.of $\text{H}_2\text{O}_2 = 17$

$$N = \frac{30.36}{17} = 1.78 \text{ N}$$

Volume strength = $5.6 \times$ normality

$$= 5.6 \times 1.78 = 10 \text{ V}$$

8 (c)

It is a fact.

9 (d)

Water becomes hard when it contains dissolved salts of calcium, Mg of Fe such as chloride, sulphates, bicarbonates and carbonates.

10 (a)

In tritium, it is three.

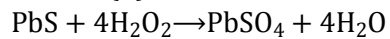
11 (b)

It is a fact.

12 (a)

Hydrogen reacts with active metals (like alkali and alkaline earth metals) form corresponding hydrides. $\text{Ca}(s) + \text{H}_2(g) \rightarrow \text{CaH}_2$

13 (b)



14 (a)

Per cent conc. of $\text{H}_2\text{O}_2 = \frac{17}{56} \times \text{volume conc. of } \text{H}_2\text{O}_2 = \frac{17}{56} \times 10 = 3\% \text{ app.}$

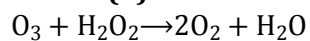
16 (d)

First three choices are characteristics of zeolites.

19 (b)

Extra energy is required to break these hydrogen bonds.

20 (d)



PE

ANSWER-KEY										
Q.	1	2	3	4	5	6	7	8	9	10
A.	D	B	B	B	A	D	A	C	D	A
Q.	11	12	13	14	15	16	17	18	19	20
A.	B	A	B	A	A	D	D	C	B	D

PE