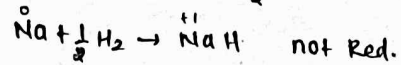
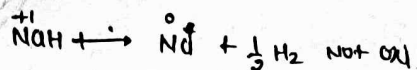


REDOX + BCC.

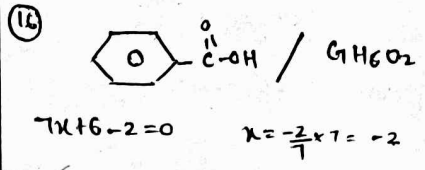
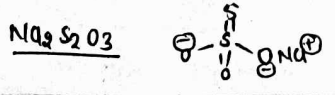
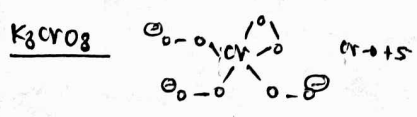
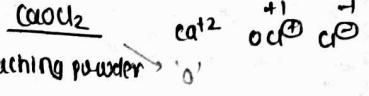
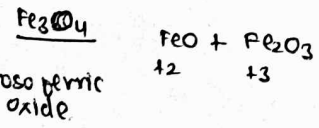
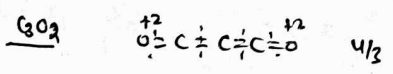
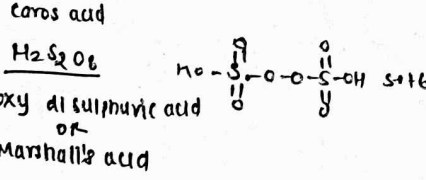
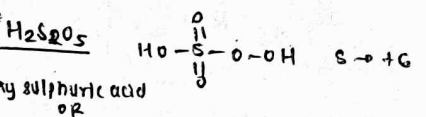
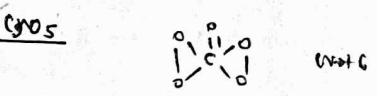
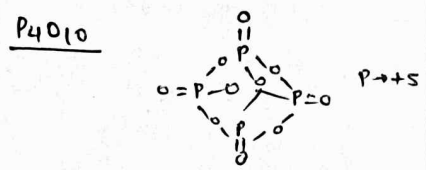
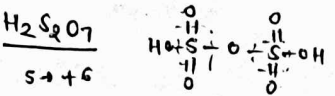


3) Disproportionation

- $2Cu^+ \rightarrow Cu + Cu^{2+}$
- $P_4 \xrightarrow{NaOH} PH_3 + NaH_2PO_2$
- $Cl_2 \xrightarrow{NaOH} NaCl + NaOCl$ sodium hypochlorite
- $Cl_2 \xrightarrow{NaOH} NaCl + NaClO_3$ sodium chlorate

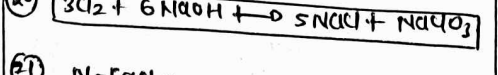
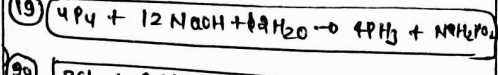
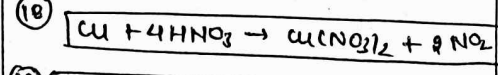
4) O.N of O

- 2 (generally)
- 1 (peroxide)
- 1/2 (superoxide)
- +2 (OF₂)
- +1 (O₂F₂)



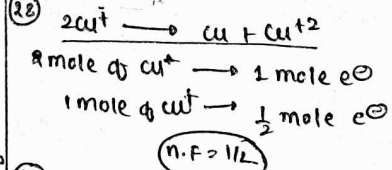
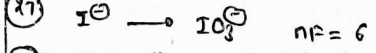
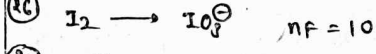
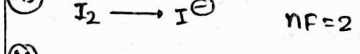
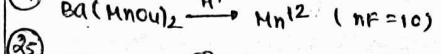
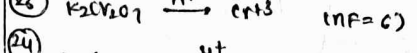
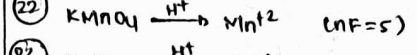
17) Balancing redox

- Find oxidising & reducing species.
- Balance total pos & neg in o.h
- Multiply with no. used to balance o.h
- Balance O.



21) n-Factor

No. of moles of e⁻ lost or gained by 1 mole of given R.A or O.A is called as its n-factor

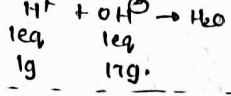


29) n-Factor (disproportionation) = $\frac{nF_1 \times nF_2}{nF_1 + nF_2}$

30) Law of equivalence

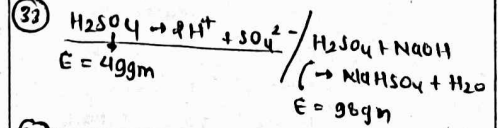
$A + B \rightarrow C + D$
 $E_{eq} A = E_{eq} B = E_{eq} C = E_{eq} D$

31) Equivalent of Hydroxide



32) Equivalent

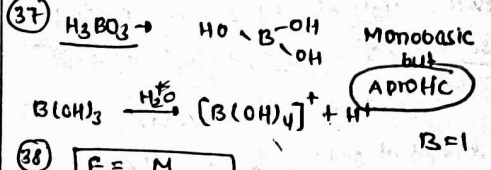
mass of anything which combines with or displaces 1g H, 8g O, 35.5 g Cl.



34) $E = \frac{\text{Atomic Mass}}{\text{valency}}$

35) Acid = $\frac{\text{Molecular Mass}}{\text{Basicity}}$

36) Basicity → No. of moles of NaOH neutralised by 1 mole of given acid.



38) $E = \frac{M}{\text{Acidity}}$

39) Salt:- $e = \frac{\text{Formula wt.}}{\text{total +ve charge on cat}^+ / \text{total -ve charge on anion}}$

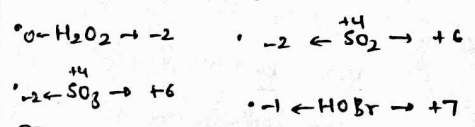
40) oxidising Agent/oxidant:-

- get reduced
- Help in oxidation
- atoms in test o.s.

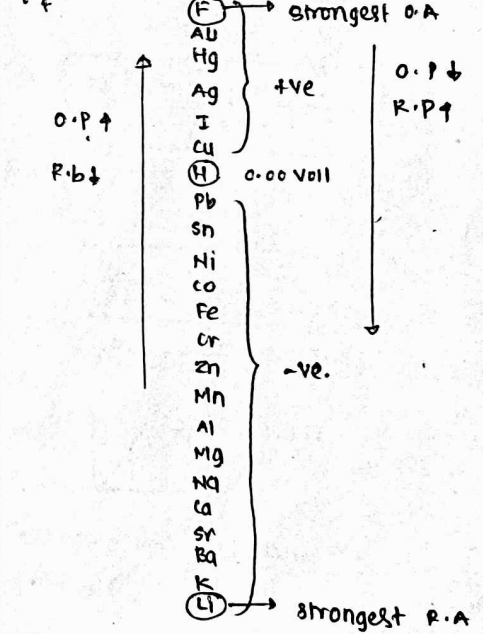
41) Reducing Agent/Reductant:-

- get oxidise
- Help in reduction

42) O.S or reducing agent both e disproportionation & redox



43) Electrochemical series



44) Oxidising power α SRP

45) substance

- Absorbs
- Alkaline Pyragallo - ... O₂
 - Heat Cu ... O₂
 - Turpentine oil ... O₃
 - KOH Pellet ... CO₂
 - Heated Hg ... N₂
 - Heated Al ... N₂
 - Anhyd. CaCl₂ ... H₂O (Vapour)