Class -10 Chem

Q,1. Fill in the blanks :

(i) The substances that undergo chemical change in the reaction are called ----------

(ii) A chemical equation represents a……..

(iii) A balanced chemical equation is that in which number of atoms of each element is……..on both sides of arrow.

(iv) A chemical reaction involve the ……..and making of bonds between atoms.

(v) A solution of a substance ……..is used for white washing.

Q,2. Write the chemical formula of following compounder

(i) Calcium oxide

(ii) Calcium hydroxide

(iii) Lead iodide

(iv) Silver nitrate

(v) Barium chloride

Q,3. Balance the following chemical equation.

(i) $H_2(g) + o_2(g)$……..> $H_2O(l)$

(ii) $Fe(s) + H_2O(g)$ ……> $Fe_2O_3(s) + H_2(g)$

(iii) $Mg(s) + O_2(g)$……> $M_gO(s)$

(iv) $Pb(NO_3)_2(aq) + kI(aq)$ … …….. > $pbI_2(s) + kNO_3(aq)$

(v) $X_n(s) + Hcl(aq)$ ……..> $Z_ncl_2(aq) + H_2(g)$

(vi) $H_2(g) + cl_2(g)$ ……> $HCl(g)$

(vii) $Bacl_2(aq) + Al_2(SO_4)_3(aq)$ ……..> $BaSO_4(s) + AlCl_3(aq)$

(viii) $NaOH(aq) + Hcl(aq)$ ……> $NaCl(aq) + H_2O$

(ix) $C6H12O_6(aq) + 6O_2(aq)$……> $6CO_2(aq) + 6H_2O$

(x) $CH_4(g) + O_2(g)$ ……> $CO_2(g) + H_2O(g)$