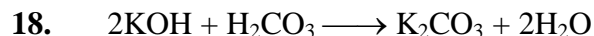
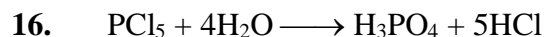
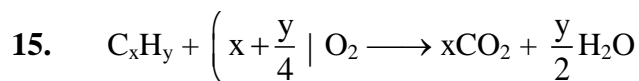
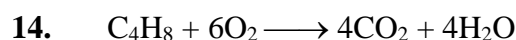
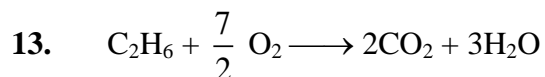
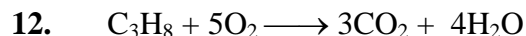
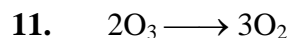
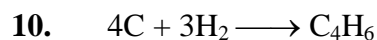
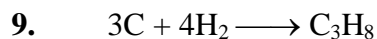
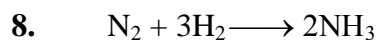
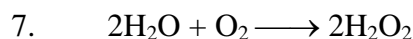
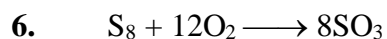
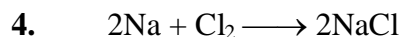


**DPP # 2 (SOLUTION)**

**Q. Balance the following equations by adding coefficients before the elements or compounds.**



20.  $3\text{KOH} + \text{H}_3\text{PO}_4 \longrightarrow \text{K}_3\text{PO}_4 + 3\text{H}_2\text{O}$
21.  $3\text{Ba}(\text{OH})_2 + 2\text{H}_3\text{PO}_4 \longrightarrow \text{Ba}_3(\text{PO}_4)_2 + 6\text{H}_2\text{O}$
22.  $\text{Pb}(\text{OH})_4 + 2\text{Cu}_2\text{O} \longrightarrow \text{PbO}_2 + 4\text{CuOH}$
23.  $2\text{NaNO}_3 + \text{PbO} \longrightarrow \text{Pb}(\text{NO}_3)_2 + \text{Na}_2\text{O}$
24.  $3\text{KBr} + \text{Fe}(\text{OH})_3 \longrightarrow 3\text{KOH} + \text{FeBr}_3$
25.  $3\text{ZnS} + 2\text{AlP} \longrightarrow \text{Zn}_3\text{P}_2 + \text{Al}_2\text{S}_3$
26.  $\text{CaSiO}_3 + 6\text{HF} \longrightarrow \text{SiF}_4 + \text{CaF}_2 + 3\text{H}_2\text{O}$
27.  $6\text{Cl}_2 + 6\text{Ca}(\text{OH})_2 \longrightarrow \text{Ca}(\text{ClO}_3)_2 + 5\text{CaCl}_2 + 6\text{H}_2\text{O}$
28.  $\text{Ca}(\text{ClO}_3)_2 + \text{Na}_2\text{SO}_4 \longrightarrow \text{CaSO}_4 + 2\text{NaClO}_3$
29.  $\text{P}_4\text{S}_3 + 8\text{O}_2 \longrightarrow \text{P}_4\text{O}_{10} + 3\text{SO}_2$
30.  $2\text{KMnO}_4 + 16\text{HCl} \longrightarrow 2\text{KCl} + 2\text{MnCl}_2 + 8\text{H}_2\text{O} + 5\text{Cl}_2$