

- (a) $\text{N}_2\text{O}_5 \Rightarrow \text{N}_2\text{O}_4 + \text{O}_2$
- (b) $\text{KNO}_3 \Rightarrow \text{KNO}_2 + \text{O}_2$
- (c) $\text{NH}_4\text{NO}_3 \Rightarrow \text{N}_2\text{O} + \text{H}_2\text{O}$
- (d) $\text{NH}_4\text{NO}_2 \Rightarrow \text{N}_2 + \text{H}_2\text{O}$
- (e) $\text{NaHCO}_3 \Rightarrow \text{Na}_2\text{CO}_3 + \text{H}_2\text{O} + \text{CO}_2$
- (f) $\text{P}_4\text{O}_{10} + \text{H}_2\text{O} \Rightarrow \text{H}_3\text{PO}_4$
- (g) $\text{HCl} + \text{CaCO}_3 \Rightarrow \text{CaCl}_2 + \text{H}_2\text{O} + \text{CO}_2$
- (h) $\text{Al} + \text{H}_2\text{SO}_4 \Rightarrow \text{Al}_2(\text{SO}_4)_3 + \text{H}_2$
- (i) $\text{CO}_2 + \text{KOH} \Rightarrow \text{K}_2\text{CO}_3 + \text{H}_2\text{O}$
- (j) $\text{CH}_4 + \text{O}_2 \Rightarrow \text{CO}_2 + \text{H}_2\text{O}$
- (l) $\text{Cu} + \text{HNO}_3 \Rightarrow \text{Cu}(\text{NO}_3)_2 + \text{NO} + \text{H}_2\text{O}$
- (m) $\text{S} + \text{HNO}_3 \Rightarrow \text{H}_2\text{SO}_4 + \text{NO}_2 + \text{H}_2\text{O}$
- (n) $\text{NH}_3 + \text{CuO} \Rightarrow \text{Cu} + \text{N}_2 + \text{H}_2\text{O}$