

1.  $\text{1...CH}_4 + \text{2...O}_2 \rightarrow \text{1...CO}_2 + \text{2...H}_2\text{O}$
2.  $\text{2...NH}_3 \rightarrow \text{3...H}_2 + \text{1...N}_2$
3.  $\text{2...H}_2\text{O} + \text{2...F}_2 \rightarrow \text{4...HF} + \text{1...O}_2$
4.  $\text{4...NO} + \text{6...H}_2\text{O} \rightarrow \text{4...NH}_3 + \text{5...O}_2$
5.  $\text{4...CuO} + \text{1...CH}_4 \rightarrow \text{4...Cu} + \text{1...CO}_2 + \text{2...H}_2\text{O}$
6.  $\text{1...C}_3\text{H}_8\text{O} + \text{3...O}_2 \rightarrow \text{3...CO} + \text{4...H}_2\text{O}$
7.  $\text{1...Fe}_2\text{O}_3 + \text{3...H}_2 \rightarrow \text{2...Fe} + \text{3...H}_2\text{O}$
8.  $\text{2...H}_2\text{O}_2 \rightarrow \text{2...H}_2\text{O} + \text{1...O}_2$
9.  $\text{2...PBr}_3 + \text{5...H}_2\text{O} \rightarrow \text{1...P}_2\text{O}_5 + \text{6...HBr} + \text{2...H}_2$
10.  $\text{1...CS}_2 + \text{3...O}_2 \rightarrow \text{1...CO}_2 + \text{2...SO}_2$
11.  $\text{4...KMnO}_4 \rightarrow \text{2...K}_2\text{O} + \text{4...MnO}_2 + \text{3...O}_2$
12.  $\text{7...Pb}_3\text{O}_4 + \text{4...C}_2\text{H}_6 \rightarrow \text{21...Pb} + \text{8...CO}_2 + \text{12...H}_2\text{O}$
13.  $\text{1...N}_2\text{O}_3 + \text{1...H}_2\text{O} \rightarrow \text{2...HNO}_2$
14.  $\text{2...Na} + \text{2...H}_2\text{O} \rightarrow \text{2...NaOH} + \text{1...H}_2$
15.  $\text{1...C}_6\text{H}_{12}\text{O}_6 \rightarrow \text{2...C}_2\text{H}_6\text{O} + \text{2...CO}_2$
16.  $\text{1...Al}_2\text{O}_3 + \text{3...CO} \rightarrow \text{2...Al} + \text{3...CO}_2$
17.  $\text{2...NaNO}_3 + \text{1...H}_2\text{O} \rightarrow \text{1...N}_2\text{O}_5 + \text{2...NaOH}$
18.  $\text{3...N}_2 + \text{6...H}_2\text{O} \rightarrow \text{4...NH}_3 + \text{2...NO} + \text{2...O}_2$
19.  $\text{2...ZnO} + \text{1...C} \rightarrow \text{2...Zn} + \text{1...CO}_2$
20.  $\text{4...FeS}_2 + \text{7...O}_2 \rightarrow \text{2...Fe}_2\text{O}_3 + \text{8...SO}_2$

