

Classify the reaction below as synthesis, decomposition, single replacement or double replacement

1) $2\text{H}_2 + \text{O}_2 \rightarrow 2\text{H}_2\text{O}$	
2) $2\text{H}_2\text{O} \rightarrow 2\text{H}_2 + \text{O}_2$	
3) $\text{Zn} + \text{H}_2\text{SO}_4 \rightarrow \text{ZnSO}_4 + \text{H}_2$	
4) $2\text{CO} + \text{O}_2 \rightarrow 2\text{CO}_2$	
5) $2\text{HgO} \rightarrow 2\text{Hg} + \text{O}_2$	
6) $2\text{KBr} + \text{Cl}_2 \rightarrow 2\text{KCl} + \text{Br}_2$	
7) $\text{CaO} + \text{H}_2\text{O} \rightarrow \text{Ca(OH)}_2$	
8) $\text{AgNO}_3 + \text{NaCl} \rightarrow \text{AgCl} + \text{NaNO}_3$	
9) $2\text{H}_2\text{O}_2 \rightarrow 2\text{H}_2\text{O} + \text{O}_2$	

