Types of Reactions Worksheet

Classify the following reactions as decomposition, combinations, single displacement or double displacement.

1. $Zn_{(s)} + S_{(s)} \rightarrow ZnS_{(s)}$

2. $Zn_{(s)} + CuSO_{(4)(aq)} \rightarrow Cu_{(s)} + ZnSO_{4(aq)}$

3. $Ba(NO_3)_{2(aq)} + Na_2SO_{4(aq)} \rightarrow BaSO_{4(s)} + 2NaNO_{3(aq)}$

4. $2PbO_{(s)} \rightarrow 2Pb_{(s)} + O_{2(g)}$

5. $2Al_{(s)} + 3Cu(NO_2)_{2(aq)} \rightarrow 3Cu_{(s)} + 2Al(NO_2)_{3(aq)}$

6. $CoCl_{(2)(aq)} + 2Na_{(s)} \rightarrow 2NaCl_{(aq)} + Co_{(s)}$

7. $Zn_{(s)} + 2HCl_{(aq)} \rightarrow ZnCl_{2(aq)} + H_{2(g)}$