Reactions HW #5 - Reactions Review HW Name: Key

Write Syn, Decomp, SR, DR, or Comb in the first column to describe each reaction. Then finish the reactions, with PHASE SYMBOLS, which are mandatory

	Type of Reaction	Balance these carefully, with PHASES.
1	SR	$SrCl_{2(AQ)} + 2Li_{(S)} \rightarrow 2LiCl_{AQ} + Sr_{(S)}$
2	C	$2C_4H_{10(G)} + 9O_{2(G)} \rightarrow 8CO_{2(G)} + 10H_2O_{(g)}$
3	DR	$2AgNO_{3(AQ)} + CaCl_{2(AQ)} \rightarrow 2AgCl_{(S)} + Ca(NO_3)_{2\,AQ}$
4	D	$2PCl_{5(G)} \rightarrow 2P_{(S)} + 5Cl_{2(G)}$
5	SR	$2Al_{(S)} + 3CuSO_{4(AQ)} \rightarrow Al_2(SO_4)_{3\,AQ} + 3Cu_{(S)}$
6	DR	$3Ca(OH)_{2(AQ)} + 2AlBr_{3(AQ)} \rightarrow 3CaBr_{2\,AQ} + 2Al(OH)_3$
7	SR	$F_{2(G)} + 2NaCl_{(AQ)} \rightarrow 2NaF_{AQ} + Cl_{2(g)}$
8	D	$SrCO_{3(S)} \rightarrow SrO_{(S)} + CO_{2(G)}$ already Balanced ☺
9	S	$2Fe_2O_{3(S)} \rightarrow 4Fe_{(S)} + 3O_{2(G)}$
10	DR	$Ba(NO_3)_{2(AQ)} + 2NH_4OH_{(AQ)} \rightarrow Ba(OH)_{2\,AQ} + 2NH_4NO_{3\,AQ}$

2 AQ products = no reaction