Angeles City Science High School

Science 10

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Activity 6: Classify my Reactions

Directions: Use the table below in classifying the type of reactions of the given chemical equations.

Reaction	Chemical Equation	Type of Chemical Reaction
1	$2H_2(g) + O_2(g) \rightarrow 2H_2O(I)$	Combinations/Synthesis
2	$C_2H_5OH + 3O_2 \rightarrow 2CO_2 + 3H_2O$	Combustion/Burning
3	$Fe_2O_3 + 3SO_3 \rightarrow Fe_2(SO_{4)_3}$	Combinations/Synthesis
4	$NaCl + AgNO_3 \rightarrow AgCl + NaNO_3$	Double Displacement
5	$2HCl(aq) + Mg(OH)_2(aq)$->-> $2H_2O(I) + MgCl_2(aq)$	Acid-Based/Neutralization
6	$C_2H_4 + O_2 \rightarrow C_2H_4O_2$	Combination/Synthesis
7	$2Fe_2S_3 + 9O_2 \rightarrow 2Fe_2O_3 + 6SO_2$	Single Displacement
8	$H_3PO_4(aq) + Ca(OH)_2(aq)$->-> $H_2O(I) + Ca_3(PO_{4)_2}(s)$	Double Displacement
9	$2KClO_3 \rightarrow 2KCl + 3O_2$	Decomposition
10	$C_3H_8 + 5O_2 \rightarrow 3CO_2 + 4H_2O$	Combustion/Burning