General Chemistry
Mr. MacGillivray
Quiz #20:
Types of Chemical Reactions

For each of the following chemical equations, indicate the type of reaction it represents.

Rxn types: single replacement, double replacement, decomposition, combination, combustion.

(1) $CH_4 + 2\ O_2 \Rightarrow CO_2 + 2\ H_2O$

Type:

(2) $2\ Na + 2\ H_2O \Rightarrow 2\ NaOH + H_2$

Type:

(3) $AgNO_3 + NaCl \Rightarrow AgCl + NaNO_3$

Type:

(4) $4\ Fe + 3\ O_2 \Rightarrow 2\ Fe_2O_3$

Type:

(5) $2\ Fe_2O_3 \Rightarrow 4\ Fe + 3\ O_2$

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(1) $CH_4 + 2\ O_2 \Rightarrow CO_2 + 2\ H_2O$

Type: COMBUSTION

(2) $2\ Na + 2\ H_2O \Rightarrow 2\ NaOH + H_2$

Type: Single replacement

(3) $AgNO_3 + NaCl \Rightarrow AgCl + NaNO_3$

Type: double replacement

(4) $4\ Fe + 3\ O_2 \Rightarrow 2\ Fe_2O_3$

Type: SYNTHESIS (combination)

(5) $2\ Fe_2O_3 \Rightarrow 4\ Fe + 3\ O_2$

Type: decomposition