

TYPES OF REACTIONS – HINTS/HELPS

<u>Combustion</u> – Oxygen is a reactant and <u>carbon dioxide</u> and <u>water</u> are products.

$$C_x H_v + O_2 -> CO_2 + H_2O$$

Synthesis – TWO OR MORE compounds combine to form ONE compound.

$$A + B \longrightarrow AB$$

Decomposition – ONE larger compound breaks down to make SEVERAL SMALLER ones.

$$AB \longrightarrow A + B$$

<u>Single Displacement</u> – Only <u>ONE</u> element is 'swapped out'.

$$A + BC \longrightarrow AC + B$$

Double Displacement – TWO elements are 'swapped out'.

$$AB + XY \longrightarrow AY + XB$$