**TYPES OF CHEMICAL REACTIONS (TEACHER COPY)**

Summarize each definition in your own words as you follow along with the video.

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| **Chemical Reaction** | **Definition** | **Equation Set Up** |
| **Synthesis** | **A reaction in which two or more substances combine to form a single new substance.** | **A+B→AB** |
| **Decomposition** | **A reaction in which a compound breaks down into two or more simpler substances.** | **AB→A+B** |
| **Combustion** | **A reaction in which a substance reacts with oxygen gas, releasing energy in the form of light and heat.** | **CxHx(O2) + O2 -> CO2 + H2O** |
| **Single Replacement** | **A reaction in which one element replaces a similar element in a compound.** | **A+BC→AC+B** |
| **Double Replacement** | **A reaction in which the positive and negative ions of two ionic compounds exchange places to form two new compounds.** | **AB+CD→AD+CB** |