**Types of Reactions Family/Home Project**

**Concept:** We have been studying types of chemical reactions. This project will show your understanding of synthesis/combination, decomposition, single replacement, double replacement, and combustion.

**Task:**  As a family, design a way to model and explain these five types of chemical reactions.  Think about the general formulas for each type that we have learned (for example: A+B=AB).  Choose anything (even items from home) to show each reaction type or describe reactions or use an analogy like you did in your goformative when you answered, “Since we have gotten out of school, my life is lie \_\_\_\_\_\_\_\_\_ type of reaction because….” Use a life scenario for each type of reaction. Remember, to get maximum points be original, which means do not use the Flintstones. \

**Submission:** Create a media display of your types of reactions.  Some examples might be a photo collage, video, powerpoint, or brochure. Submit your media display by April 30th for B-day and May 1st for A-day for maximum points. I will accept it after that date for a slight deduction each day late.

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| Description | Exemplary (3) | Proficient (2) | Developing (1) | Needs Improvement (0.5) |
| Fully models andexplains this type of reaction | Modeled but failed to explain this type of reaction | Fails to model and explain this type of reaction correctly yet message is understood. | Fails to model and explain this type of reaction leading to confusion |
| Synthesis/Combination Reaction | 3 | 2 | 1 | 0.5 |
| Decomposition Reaction | 3 | 2 | 1 | 0.5 |
| Single Replacement | 3 | 2 | 1 | 0.5 |
| Double Replacement | 3 | 2 | 1 | 0.5 |
| Combustion | 3 | 2 | 1 | 0.5 |
| TOTAL POINTS EARNED | \_\_\_\_\_\_\_ x 2 = \_\_\_\_\_\_\_/ 30PTS |