

Name \_\_\_\_\_ Date \_\_\_\_\_ Hour \_\_\_\_\_

## **Chemical Reaction Project Instructions and Rubric**

Chemical reactions are classified into one of six categories, synthesis, decomposition, single replacement, double replacement, combustion, or redox reactions. In this project, we will investigate five of the reaction types. Once you have selected your partner(s), you will be assigned a category to research and present to the group.

### **Part 1: Poster, Google Slide, Prezi, Etc.**

1. Definition and a basic example using letters.
2. List of at least 5 different chemical reactions that fit your category.
  - a. You should also include word equations so you can tell us what elements/compounds are involved in the reaction.
3. Pictures that relate in some fashion to our topic of chemical reactions.
  - a. Pictures should enhance your poster not clutter it up.
4. A list of references, minimum of 5 different websites (this includes where you find your images as well as your information,)
  - a. You may not use google answers or Wikipedia. Look around!

### **Part 2: Creative Cartoon/Picture of Your Reaction Type**

5. A cartoon or comic strip that clearly explains your reaction type.
  - a. Your cartoon should be unique; you can use images online for inspiration but not copy them as your own. Your cartoon must be large enough to see from across the room.

### **Part 3: Class Presentation**

6. Present the information on your topic to the class. Everyone should participate in some format and say something for the project. Make sure your information is of good quality; your classmates are depending on you.

## Rubric

	Excellent (10pts)	Average (7-9pts)	Below Average (0-6pts)
Topic Information	Information addresses the topic completely; a detailed explanation of the reaction type is evident.	Information mostly addresses the topic; one required criteria is weak or missing	Information tries to address the topic; two or more required criteria are weak or missing
Pictures	Picture enhance presentation, are well positioned within the chosen media format, and are appropriate for the topic.	Pictures are present within the chosen media format and are appropriate for the topic.	Pictures are missing, inappropriate, or do not enhance the chosen media format.
References	Project references more than the requested number of necessary websites.	Project references the requested number of necessary websites.	Project does not reference the requested number of necessary websites.
Cartoon Mini Poster	Mini poster is unique, explains the topic, and is well constructed. A color scheme or theme within the poster is obvious.	Mini explains the topic. Poster is similar to previous versions found online. A color scheme or theme within the poster is evident.	Mini Poster does not explain the reaction type. Poster is directly copied from previous versions. Limited use of color or theme.
Neatness, Creativity, and effective use of lab time.	Project shows extensive evidence of creativity, neatness, and effective use of lab/class time.	Project shows evidence of creativity, neatness, and effective use of lab/class time.	Project shows little evidence of creativity, neatness, and effective use of lab/class time.
Presentation	Presentation explains important information for the topic. Evidence of practice and preparation, presentation flows smoothly with no additional input from teacher.	Presentation tries to explain the important information for the topic. Some evidence of practice is present, but teacher input is needed to help with the flow of information.	Presentation does not explain all relevant information for the topic, little or no evidence of practice/preparation. Teacher needs to interject frequently to help with flow of information.