

/Rubric/ chemical reactions

	Content	Super-Duper	Great	Good	Satisfactory	Poor
Work Habits	Effective use of Time		Student is self-motivated and uses all their class time effectively. 5%	Student is self-motivated and uses most of their class time effectively. 4%	Student may require reminders to stay on task, or may bother other classmates. 2%	Little time is spent on task. 0%
	Quality Work	5% +1% extra-credit	Product shows a large amount of original thought. Ideas are creative and inventive. 5%	Product shows some original thought. Work shows new ideas and insights. 4%	Product meets expectations, but doesn't go beyond basic ideas. 2%	Product appears to be hastily put together without adding original thoughts. 0%

Required Content	Quality of Sources	8% +1% extra-credit	Several (4+) reliable and interesting information sources that relate to their topic are independently found by the student. 8%	Several (4+) reliable, interesting information sources that relate to their topic are found. 6%	Students, with some help, locate at least 2 reliable information sources that relate to their topic. 4%	Researchers, with extensive adult help, locate at least 2 reliable information sources that relate to their topic. 1%
	Documentation		Source information collected for all graphics, facts and quotes. All documented in the correct format. PERFECT!	Source information collected for all graphics, facts and quotes. Most documented in the correct format. -10% OFF ENTIRE ARTIFACT	Source information collected for graphics, facts and quotes, but not documented in correct format. ENTIRE ARTIFACT WILL NOT BE GRADED	Very little or no source information was collected. ENTIRE ARTIFACT WILL NOT BE GRADED

Project Requirements	Chemical Reaction Basics -What part of atoms are affected? - What is happening during a chemical Rx? - <u>Include:</u> →reactants& products →how the law of conservation of mass relates → Signs of a chemical reaction	15% + 3% extra-credit	Explains the object's formation (how it got to where it is), as well as what will happen to the object in the future in detail. 15%	Content is explained but is not complete or entirely correct. 13%	Content may be mentioned but not explained, or the explanation is incorrect. 9%	Content is entirely missing. 3%
	Energy & Chemical Reactions - Explain the role of energy in chemical reactions. - <u>Include:</u> →chemical potential energy →Starting a reaction →exothermic & endothermic reactions →examples of exo & endo reactions	15% + 3% extra-credit	Information is in depth and goes well beyond the information covered in class. 15%	Information is in depth, and goes beyond the information covered in class. 13%	Information is somewhat lacking in depth. 9%	Information is inaccurate, or extremely lacking. 3%

Project Requirements	Types of Chemical Reactions -Explains what happens in the different types of reactions. - Explains how to tell the type of reaction by looking at the chemical formula for the reaction. -Includes: → Synthesis → Decomposition → Combustion → Single Replacement → Double Replacement	12% + 3% extra-credit	Information needed to understand the topic in depth is well explained and obviously understood by the student. 12%	Information needed to understand the topic in depth is explained and understood by the student. 10%	Information needed to understand the topic in depth is mentioned, but may not be explained or understood very well by the student. 7%	Information needed to understand the topic in depth is largely missing or inaccurate. 2%
	Types of Chemical Reactions -Gives real examples of each type of reaction. -Can be examples we do in class. -Includes: →explanation of the procedure →pictures or videos →diagrams →chemical formulas	12% + 3% extra-credit	Information needed to understand the topic in depth is well explained and obviously understood by the student. 12%	Information needed to understand the topic in depth is explained and understood by the student. 10%	Information needed to understand the topic in depth is mentioned, but may not be explained or understood very well by the student. 7%	Information needed to understand the topic in depth is largely missing or inaccurate. 2%
	Diagrams & Illustrations	8% +1% extra-credit	Diagrams and illustrations are neat, accurate and add to the reader's understanding of the topic. 8%	Diagrams and illustrations are accurate and add to the reader's understanding of the topic. 6%	Diagrams and illustrations are neat and accurate and sometimes add to the reader's understanding of the topic. 4%	Diagrams and illustrations are not accurate OR do not add to the reader's understanding of the topic. 1%
	Project is uploaded to the class wiki - Create a page for yourself (its name should be the same as your username) - Upload your project files to the wiki. → If your project isn't electronic, Mr. W will scan it in for you. - Create links to your project files on your wiki page.		Wiki page is created and is neat, organized, and easily allows visitors to navigate to your project. 12%	Wiki page is created and allows visitors to navigate to your project. 10%	Wiki page is created but it is difficult to navigate or very disorganized. 7%	Wiki page is not created or the project files are not uploaded. 2%

Total: _____ % x 80 pts = _____