

Welcome to Honors Chemistry!

The entire summer assignment is an individual assignment. Group work is not acceptable. The attached honesty pledge must be signed and turned in with your portfolio.

Portfolio: Composition of Matter

Directions:

- Please address the following information regarding the composition of matter.
- All answers must be in **your own words**, no direct quotes.
- Your completed portfolio (binder or notebook) should be colorful and easy to read.
- The information should be typed, excluding drawings.
- Pay careful attention to the operative terms (list, diagram, etc.).
- This assignment requires an MLA work cited page. If one is not turned in with the assignment, the work will not be graded.

Your summer portfolio will be due on the first day of the 2017-2018 school year- the A/B day - August 12, 2014.

This is a 70 point project! It is the first assessment grade for the semester.

Each day late will result in a 5% reduction in the grade.

Tips to get you started:

*Read through the entire assignment *before* beginning and decide *how* you are going to complete it.

*It is expected that by researching and completing this assignment you know and understand the material. Therefore, it will be reviewed, but not taught as part of the course.

*It is recommended that you complete the assignment *throughout* the summer (10 ½ weeks of summer to complete 12 mini assignments). Space it out so you do not get overwhelmed.

*Do not wait until the last minute to complete your portfolio!

Please email with any questions:

Mr. Swanson (Central Campus) rswanson@mchs.net

Name _____

Rubric: Summer Assignment

Section	Taxonomy level	Points possible	Points earned
1.Compare the arrangements of individual particles in solids, liquids, and gases. Need drawings to complete answer.	Comprehension	4	
2.Describe the differences between intensive and extensive properties of matter. Provide an example of each.	Comprehension	4	
3.Compare and contrast homogeneous and heterogeneous mixtures. Explain an example of each.	Analysis	6	
4.Describe a procedure for separation of a mixture containing salt, sand, iron, and water based on its physical characteristics	Analysis	6	
5.Define the following terms: atom, element, mixture, and compound. Why will these be important for this course?	Knowledge	3	
6.Explain why chemistry might be useful in a career you are thinking of pursuing.	Comprehension	4	
7.Compare and contrast the study of chemistry with the study of language	Analysis	6	
8.Compare and contrast chemical and physical changes. Explain 2 examples of each.	Analysis	6	
9.List 4 possible clues that a chemical change might have occurred.	Knowledge	3	
10.Classify each of the following as homogeneous or heterogeneous mixtures: chocolate chip ice cream, green ink, cake batter, cooking oil	Comprehension	4	
11.Explain the Law of Conservation of Mass	Comprehension	4	
12. Each day you encounter some chemical changes that are helpful and some that are harmful to humans or the environment. Cite three examples of each type. For each example, list the clues that identified the change as a chemical change	Analysis	6	
Portfolio was put together neatly and correctly	Construction	4	
Color and images – color/images was used to enhance answers	Color and images	5	
Semantics – less than 3 errors	Semantics	5	
Total points-		70	

Please attach this honesty pledge to your summer assignment

Minooka Community High School
Science Department

Honesty Pledge:

The purpose of this document is to maintain the high standards of academic honesty and integrity at Minooka Community High School. Sign this statement **only** if it is true:

"I certify that the work I am submitting is my own. I have not given or received any unauthorized assistance on this assignment, nor have I presented someone else's work as my own. I am aware of Minooka Community High School's regulations about, and penalties for, plagiarism."

Signature: _____

Date: _____

Printed name: _____

Assignment: _____