

Name _____ Date _____ Hour _____

Classification of Matter Project

We know that matter is all around us, everything from the paper we are reading to the air we are breathing is made of matter. How does a scientist make sense of all the different types of matter around us? Scientists group different kinds of matter together into specific categories to help them understand how different kinds of matter interact.

Your mission is to create a Power Point or Poster explaining how matter is classified. Your textbook is a great place to start your research, we will be focusing on pgs 462-468, you may also use the internet for research. If you choose to use the internet you should keep a list of websites that your information is gathered from, this should be the last slide of your PowerPoint or listed somewhere on your poster.

Your project should address the following questions.

- a. What is matter? How is it organized?
- b. What is a pure substance? What is it made up of? What kinds of matter are considered pure substances?
- c. If your type of matter is not a pure substance what is it? What is it made up of?
- d. What are homogeneous mixtures?
 1. Examples: At least 5 examples
 2. Pictures of your examples: These can be hand drawn if doing a poster.
- e. What are heterogeneous mixtures?
 1. Examples: At least 5 examples
 2. Pictures of your examples: These can be hand drawn if doing a poster.
- f. What are elements?
 - i. Examples: At least 5 (name and symbol)
 - ii. Pictures of your examples: These can be hand drawn if doing a poster.
- g. What are compounds?
 - i. Examples: At least 5 (common name and chemical formula, your compounds should be stuff that we recognize/use often)
 - ii. Pictures of your examples: These can be hand drawn if doing a poster.

Identify who you are working with: _____

Type of Project the group is working on: _____

How are you planning on splitting up the workload between yourselves? Who is doing what?

	Exceptional	Average	Below Average	Poor
Content	Project addresses all required questions as stated in project outline. Explanations are in student friendly language (not directly copied from text/website)	Project is missing 1-2 questions from the project outline. Content is still explained using student friendly language.	Project is missing 3 or more of the required questions from the project outline. Content is still explained using student friendly language.	Project does not address questions from project outline. Explanations are not in student friendly language, and/or copied from text or websites.
Examples of Different Types of Matter	Project has more than the minimum number of examples of each type of matter. Pictures are included for each example	Project has the minimum number of examples of each type of matter. Pictures are included for each example.	Project is missing 1 examples and/or pictures of the examples of different types of matter	Project is missing more than 2 examples and/or pictures of different types of matter.
Resource Page	Project has a list of 5 or more web resources used to gather information. Textbook is properly listed as a resource.	Project has a list of 3-4 different web resources used to gather information. Textbook is properly listed as a resource.	Project has a list of 3-4 different web resources used to gather information.	Project is missing list of web resources
Neatness and Effective use of Computer Lab	Project shows evidence of extensive time and effort spent on construction. Time in computer lab was used efficiently. Student(s) were on task at all times	Project shows evidence of time and effort spent on construction. Time in computer lab was used efficiently.	Project shows minimal evidence of time and effort spent on construction. Computer lab time not used effectively, students were off task 3 or more times and needed redirection.	Little or no effort has been given to construction. Computer lab time not used effectively, students needed constant redirection