

Group Members: \_\_\_\_\_

Period: \_\_\_\_\_

As a group create a poster that includes the following. Each bullet point will be worth 2 points unless marked otherwise. Class time will be given to work on the project, you are not required to work on it outside of class, however, you can if you choose.

(75 total points)

**Properties of Matter (14 points) :**

- ◆ What is the smallest piece of matter? \_\_\_\_\_
- ◆ Identify a real life compound. \_\_\_\_\_
- ◆ Draw a picture of the compound. \_\_\_\_\_
- ◆ Identify the elements that make up the compound. \_\_\_\_\_
- ◆ Identify a real life mixture. \_\_\_\_\_
- ◆ Draw a picture of the mixture. \_\_\_\_\_
- ◆ Identify the molecules and/or elements that make up the mixture. \_\_\_\_\_

**Physical and Chemical Changes (12 points) :**

- ◆ What is a physical change? \_\_\_\_\_
- ◆ What is a chemical change? \_\_\_\_\_
- ◆ Two examples of real life physical changes. \_\_\_\_\_
- ◆ Two examples of real life chemical changes. \_\_\_\_\_
- ◆ Four properties of physical changes. \_\_\_\_\_
- ◆ Four properties of chemical changes. \_\_\_\_\_

**States of Matter (22 points) :**

- ◆ Give four examples of solids (besides ice). \_\_\_\_\_
- ◆ Give four examples of liquids (besides water). \_\_\_\_\_
- ◆ Give four examples of gases (besides water vapor). \_\_\_\_\_
- ◆ Shape and volume of solids. \_\_\_\_\_
- ◆ Shape and volume of liquids. \_\_\_\_\_
- ◆ Shape and volume of gases. \_\_\_\_\_
- ◆ Draw a picture of the molecules in solids. \_\_\_\_\_
- ◆ Draw a picture of the molecules in liquids. \_\_\_\_\_
- ◆ Draw a picture of the molecules in gases. \_\_\_\_\_
- ◆ What is the fourth state of matter? \_\_\_\_\_
- ◆ Four real life examples of the fourth state. \_\_\_\_\_

**Changes in State (16 points) :**

- ◆ Create a graphic organizer to show/draw the four changes in state. **(8 pts.)** \_\_\_\_\_
- ◆ Freezing- How does the speed of particles change? Give one example. \_\_\_\_\_
- ◆ Melting- How does the speed of particles change? Give one example. \_\_\_\_\_
- ◆ Condensation- How does the speed of particles change? Give one example. \_\_\_\_\_
- ◆ Evaporation- How does the speed of particles change? Give one example. \_\_\_\_\_

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**Conservation of Matter (8 points) :**

- ◆ What is the Law of Conservation of Matter/Mass? \_\_\_\_\_
- ◆ How do we know that matter is conserved? \_\_\_\_\_
- ◆ Draw an example of an open system. \_\_\_\_\_
- ◆ Draw an example of a closed system. \_\_\_\_\_

**Neatness & Presentation (3 points) :**

For each of the categories, you need to make a heading on the poster board. There will be points assigned for neatness and coloring, a total of 3 points. Colored pencils, markers, crayons, rulers, scissors, glue, and poster boards will be provided, however, you may bring in any extras you would like.

- ◆ Coloring (1.5 pts.) \_\_\_\_\_
- ◆ Neatness (1.5 pts.) \_\_\_\_\_

**Participation and Due Dates :**

It is expected that each group member participate. Individual members can lose points per teachers' discretion. The due dates are as follows:

**Period 1- Tuesday Nov. 22**

**Periods 2, 3, 5, 6, 7- Monday Nov. 21**

<b>Properties of Matter:</b>	<b>States of Matter:</b>	<b>Changes in State:</b>
<b>Physical and Chemical Changes:</b>		<b>Conservation of Matter:</b>