Name: _____ Date: _____

## Prologue Test Checklist

Below is your **checklist** of concepts you should understand for Monday's test.

***How to use this:***
***Step 1: Review all of your notes***
***Step 2: Review all of the multiple choice and short answer questions you have been given.***
***Step 3: Use this review sheet to check how much you still need to study. When you feel you know a concept, check off that you are comfortable with it.***

**THIS IS A GUIDE. YOU WILL NOT PASS THE EXAM IF YOU ONLY STUDY THIS SHEET.**

- _____**Do you know how to analyze a graph and make a prediction about the future if the data (information plotted on the graph) is cyclic?**
- _____If one thing is less dense than another thing, which will float?
- _____**How does volume, mass, and density change when you increase or decrease the temperature of a substance? Do all three things change?**
- _____If four or five objects with different densities are placed in a tube, are you able to order the objects by density?
- _____**Can you describe the relative densities of solid, liquid, and gas phases of a substance?**
- _____Given two of the following: Mass, Density, Volume… Can you calculate the missing variable: For example: given mass and density, solve for volume THIS IS HARD-PRACTICE IT!
- _____**Can you calculate the density of a substance using a graph?**
- _____How does the density of substance change with size (or does it?)
- _____**Can you analyze a graph and read measurements off of the graph. Can you describe the relationship you see in the graph?**
- _____Can you plot data on a graph?
- _____**Can you calculate percent deviation? Do you know the formula for percent deviation?**
- _____Can you calculate rate of change and analyze graphs representing rate of change?
- _____**Can you convert between temperature scales?**
- _____Can you analyze situations of dynamic equilibrium?
- _____**Can you describe the difference between an inference and an observation?**
- _____Can you show three steps when you do math calculations such as Rate of Change, Density, or Percent Deviation?