

PROLOGUE REVIEW SHEET

1. What do we use to make observations? _____

2. Are Predictions Observations or Inferences? _____

3. Why do we classify objects, information, books, etc.? _____

4. What are the standard units of Length, Mass, and Volume (Metric)? _____

5. How many meters are in a Kilometer? _____

centimeters in a meter? _____

millimeters in a meter? _____

millimeters in a centimeter? _____

6. Draw a graph for each of the following relationships: Direct, Indirect, Cyclic, Static (4 graphs): Label X & Y

7. A newspaper sailboat moves downstream in the river 500 feet in 25 seconds. What is the rate of change? (UNITS!!!)

8. If the Student's rate was 25 feet/second, and the true value is 20 ft/sec, what is the % Deviation? (UNITS!!!)

9. If the mass of an object is measured to be 32 grams, and the volume 4 mL, what is the objects density? (UNITS!!!)

10. If an object's Density is 8 g/mL, and it's volume 2 mL, what is the object's mass? (UNITS!!!)

11. What Temperature and Phase of matter does water have it's greatest density?

12. What is the range of temperature of liquid water?

13. If an Object is cut into pieces, how does the density of each piece compare to the original?

14. Draw a graph to show the relationship between Volume and Density: