

Physical Science Assignment 1-3

Read section 1-3. Then, **based on the information in your textbook, answer the following questions :**

Name _____

Class Period _____

Date _____

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1. What is another name for the **metric system**?

2. What is meant by the term **decimal system**?

3. What is the meaning of the prefix **centi-**?

4. List four **basic units** of the metric system and describe what can be measured with each.

Name of Basic Unit	What can be measured with this unit?

5. What is the meaning of the prefix **milli-**?

6. How many **meters** long is the **Nile River**?

7. If a liquid ounce is about the same as 30 mL, about how many **milliliters** of pop are in a 12 oz pop can?

8. What is the meaning of the prefix **kilo-**?

Please continue on the other side.

9. What can we say about objects with a **density** of less than 1g/mL?

10. What is the approximate **mass** of a nickel?

11. About how much **mass** is in 11 pounds of hamburger? (Assuming the hamburger is here on earth.)

12. What is normal body temperature on the Celsius scale?

13. What is the **boiling** temperature (point) of water on the Celsius scale? (Assuming the water is pure and we are boiling it in an open pan on the Atlantic Ocean beach near Portland, Maine... about midnight on January 12th... air temperature about -14°C .)

14. If we let that same pan of water cool off until it freezes (right there on the beach), what will be the surface temperature of the water when it **begins** to freeze? (on the Celsius scale)

15. Without placing an object in water, how can you determine if it will float in water?

16. How many **grams** in a **kilogram**?

17. How many **milliliters** in a **liter**?

18. How many **centimeters** in a **meter**?

19. How many **centidollars** in a **dollar**?

20. How many **decidollars** in a **dollar**?

Remember...

- **Read and try to understand the section of the Summarizing Key Concepts (page 35) that applies to this assignment.**
- **Be prepared for an open notes quiz on this assignment when you return to class. YOU MAY USE ANY OF YOUR HAND WRITTEN NOTES OR ASSIGNMENTS. Extra notes, beyond the requirements of the assignment may be helpful.**
- **If there are things in the assignment that you do not understand, you should be prepared to ask questions before the quiz begins.**