

## Chapter 1

Text Pages 19–29

## STUDY GUIDE

## ● Measurement and Safety

Find the words or prefixes in the puzzle that match the definitions below. Circle the words in the puzzle. Then write each word next to its definition.

W E I G H T G S  
 C V A R E A R K  
 E O M A S S A E  
 N L G R A M V L  
 T U M I L L I V  
 I M E T E R T I  
 D E N S I T Y N  
 I C E L S I U S

- \_\_\_\_\_ 1. Measure of the amount of matter in an object
- \_\_\_\_\_ 2. Temperature measurement in which freezing is 0° and boiling is 100°
- \_\_\_\_\_ 3. Amount of surface within a set of boundaries
- \_\_\_\_\_ 4. Prefix meaning one hundredth
- \_\_\_\_\_ 5. Force that pulls particles of matter toward other particles of matter
- \_\_\_\_\_ 6. Standard unit in SI of length
- \_\_\_\_\_ 7. Measure of the amount of matter that occupies a space
- \_\_\_\_\_ 8. Standard unit in SI for temperature
- \_\_\_\_\_ 9. Measure of the force of gravity that is expressed in newtons
- \_\_\_\_\_ 10. Standard unit in SI of measure for mass
- \_\_\_\_\_ 11. Measure of how much space an object occupies
- \_\_\_\_\_ 12. Prefix meaning one thousandth
- \_\_\_\_\_ 13. What two letters were not circled in the puzzle?

Answer the questions on the lines provided.

14. What are the two letters SI an abbreviation for? \_\_\_\_\_

15. Why must safe practices and methods be used in laboratory activities? \_\_\_\_\_

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