Name KEY Date _____ Class 1st Qtrly

2 MATTER AND CHANGE

Practice Problems

In your notebook, solve the following problems.

SECTION 2.1 PROPERTIES OF MATTER

1. Which of the following is *not* a physical change?
   a. dissolving sugar in water
   b. burning gasoline in an engine
   c. evaporating sea water to obtain salt
   d. slicing a piece of bread
2. Which of the following is *not* a property of a gas?
   a. has a definite shape
   b. has an indefinite volume
   c. assumes the shape of its container
   d. is easily compressed
3. Which of the following is *not* a physical property of sucrose?
   a. solid at room temperature
   b. decomposes when heated
   c. dissolves in water
   d. tastes sweet
4. Which of the following is in a different physical state at room temperature than the other three?
   a. salt b. sugar c. flour d. water
5. Complete the following table.

Physical state	Definite Shape?	Definite Volume?	Easily Compressed?
gas	No	No	Yes
liquid	no	Yes	no
solid	yes	Yes	No

Use the Table 2.1 to answer the following questions.

6. Which substance is a colored gas? Cl
7. Which liquids boil at a lower temperature than water? Br, Ethanol
8. Classify the following properties as extensive or intensive.
   a. color In b. volume Ex c. mass Ex d. boiling point In

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