

Date: \_\_\_\_\_

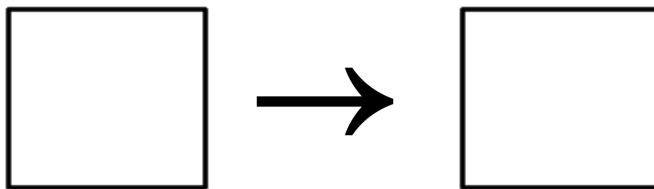
## Chapter 5, Lessons B & C Practice Worksheet ( 5 B & C )

1. Compare between the states of matter using the words below.

	solid	liquid
arrangement of particles		
movement of particles		

2. Butter melts at 35 °C.

a. Draw the particle model that shows the process of butter melting.



b. Melting butter is a physical change. Explain in one sentence.

\_\_\_\_\_

3. Flour is a solid that acts like a liquid.

In 2 ways write how it acts like a liquid.

1. \_\_\_\_\_

2. \_\_\_\_\_

4. Mia finds this information about some substances.

a. Write 2 substances in the table that are **liquid** in your opinion?

\_\_\_\_\_

b. Sami says substance F could be a solid. Is he correct?

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

substance	does the substance flow easily?
A	no
B	yes
C	yes
D	no
E	yes
F	yes

5. Write **physical** or **chemical change** next to the statement that describes it best.

a. A change in color is noticed. \_\_\_\_\_

b. There is a new substance formed. \_\_\_\_\_

c. A change in size, shape and appearance is noticed. \_\_\_\_\_

6. **Rust** is a new substance that forms when two or more substances react together.

Name the substances that react with each other to form rust.

\_\_\_\_\_ + \_\_\_\_\_ + \_\_\_\_\_  $\longrightarrow$  rust

7. Fill in the blanks.

\_\_\_\_\_ : something that is made of one type of matter

\_\_\_\_\_ : a process that results in the formation of one or more new substances

\_\_\_\_\_ : the change from a liquid into a solid

\_\_\_\_\_ : the model that describes the way particles in matter are arranged and how they move about

\_\_\_\_\_ : the matter that an object is made of

\_\_\_\_\_ : tiny units that make up matter

\_\_\_\_\_ : an investigation where only one variable is changed and all other conditions are kept the same

\_\_\_\_\_ : the change from a solid into a liquid

\_\_\_\_\_ : a change in which no new substance is formed

\_\_\_\_\_ : factors or conditions that can be changed or kept the same in an investigation