

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

## Chapter 5: Practice Worksheet ( 5.C.2 )

1. **Copy** the letter of the word that best completes the sentence.

a. \_\_\_\_\_ take the shape of the container.

x. Liquids

o. Liquids and solids

z. Solids

b. I can change the state of matter by letting it gain or lose \_\_\_\_\_.

x. light

o. heat

z. sound

c. The particles are represented by flat circles in the \_\_\_\_\_.

x. fair test

o. particle model

z. energy

2. Fill in the blanks using **four** of the words provided in the word bank.

vibrate

move fast

energy

freezing point

0°C

100°C

a. The \_\_\_\_\_ is the temperature at which a substance changes from a liquid to a solid.

b. In a solid, the particles \_\_\_\_\_.

c. At \_\_\_\_\_, an ice cube starts to turn into liquid water.

3. Choose **all** the correct options.

a. A horn gives off ( heat / sound / light ) energy.

b. The sun produces ( sound / heat / light ) energy.

4. Label the change as **physical** or **chemical**.

rust forming on metal



baking bread



melting ice-cream



5. Match.

heat
chemical reaction
fair test
material

a process where a new substance is formed
It is made up of one or more substances.
An investigation where only one variable is changed and all other conditions stay the same.
A type of energy that moves from a hot object to a cold object.

6. Stearic acid is a white solid at room temperature.

Carlos **heats** some stearic acid until it becomes a **liquid**.

a. What is the **name** of the **process** when a solid becomes a liquid?

\_\_\_\_\_

b. Carlos lets the stearic acid **cool** down. **It changes back into a solid**.

What is the name of this process? \_\_\_\_\_

7. Tia has four different materials.



glass marble



chalk powder



copper pipe



wood cube

a. These materials are all \_\_\_\_\_

b. Write down one thing about the **arrangement** of particles in all these materials.

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c. Write down one thing about the **movement** of particles in all these materials.

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d. Which one of these materials can be poured like a liquid?

**Circle** the correct answer then **explain** why you chose this material.

**glass marble**

**chalk powder**

**copper pipe**

**wooden cube**

Explain:

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