

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
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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 material are all _____

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

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

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:
