Please do not write on this page. Write your answers only on your answer sheet. Good Luck!

**Multiple Choice**

1. Which of the following is a property used to identify a substance?
   1. Smell
   2. Taste
   3. Magnetic properties
   4. Color
2. Which of the following has to happen in order for an object to turn from a liquid to a solid?
   1. Temperature has to increase
   2. Temperature has to decrease
   3. Temperature must stay the same
   4. The liquid has to stop moving
3. Which of the following is NOT a sign of a chemical change?
   1. Changing from a solid to a liquid
   2. Production of an odor
   3. Change in temperature
   4. Change in color

**True or False.**

**If the answer is true, please write true on the line. If the answer is false, Please correct the statement so it is true.**

1. Changing the state of matter for an object is a chemical change.
2. Physical changes do not change the identity of the object itself.
3. Chemical changes cause a change in the identity of the original substance.

**Matching**

**Match the term with the correct definition**

1. Melting
2. Deposition
3. Sublimation
4. Evaporation
   1. When a solid changes directly to a gas
   2. When a gas changes directly to a solid
   3. A process by which a liquid becomes a gas
   4. The process by which a solid becomes a liquid

**Multiple Choice**

1. Color, shape, size, and texture are
   1. Physical properties
   2. chemical properties
   3. physical changes
   4. chemical changes
2. Density describes the relationship between a substance’s
   1. Matter and mass
   2. Mass and volume
   3. Volume and area
   4. Temperature and mass
3. Dissolving sugar in water is an example of a
   1. Physical change
   2. Chemical change
   3. Change in state
   4. Pressure change
4. An electric current can be used to decompose, or break down, water into oxygen gas and hydrogen gas. This is an example of a
   1. Physical change
   2. Chemical change
   3. Change in state
   4. Pressure change
5. The formation of rust on iron is a chemical change because
   1. The color and shape have changed
   2. The mass and volume have changed
   3. The substance remains the same
   4. A new substance has been formed
6. The process by which a solid becomes a liquid is called
   1. Boiling
   2. Freezing
   3. Melting
   4. Evaporating
7. The process by which a liquid becomes a solid is called
   1. Boiling
   2. Freezing
   3. Melting
   4. Evaporating
8. Two processes by which a liquid can become a gas are
   1. Evaporation and boiling
   2. Melting and freezing
   3. Sublimation and condensation
   4. Evaporation and condensation
9. Which physical properties of a puddle change as the water evaporates? Which physical properties remain the same?
10. A chef has melted sugar to make a sculpture. Describe how the sugar has changed in terms of its physical and chemical properties. Predict what will happen to the sculpture over time.

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Answer Sheet

Please write your answers only on this sheet of paper! Turn it into the basket when you are finished.

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
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11. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
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