Changes in Matter

Grade 3 Science Worksheet

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Name _____ Date _____

Circle the answer.

1. Chocolate melts in a hot car. Then it cools in the fridge. What happened?
   - it burned and cannot change back
   - it stayed solid the whole time
   - it melted and then became solid again
   - it turned into a gas and back

2. Which observation shows that a change can be undone?
   - rust stays on a nail when it dries
   - melted wax hardens again when it cools
   - a burned stick stays black when it cools
   - ash stays ash when it cools

3. A water pipe outdoors bursts on a very cold night. What most likely happened?
   - the pipe melted
   - the water inside evaporated
   - the water inside boiled
   - the water inside froze and expanded

4. Clouds form when water vapor high in the sky cools. What forms in the cloud?

   tiny drops of liquid water hot water vapor sand and dust big blocks of ice

5. Which change happens when water loses heat?

   freezing boiling evaporating melting

6. A pot of soup is heated until steam rises. Which change is happening to the water?
   - it is melting into a liquid
   - it is condensing into a liquid
   - it is freezing into a solid
   - it is evaporating into a gas

7. Water vapor near a cold glass turns into liquid drops. What is this change called?

melting condensation evaporation freezing

8. Juice is poured into a mold and frozen. What does it become?

liquid juice a solid juice pop juice vapor melted juice

9. Which pair shows a change and its opposite?

evaporating and burning freezing and rusting melting and burning

melting and freezing

10. Road crews spread salt before an ice storm. Why?

salt soaks up all the rain

salt makes the roads warmer than the air

salt helps stop water from freezing into ice

salt makes ice harder

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Answer Key - Grade 3 Science Worksheet

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