

Name: _____ Date: _____

Answer Key: Spark Hot and Cold Science for First Grade

Sort through sunny days and chilly treats to identify things that feel hot or cold in our daily world.

1. Which of these things feels very hot if you touch it?

Answer: B) A fresh piece of toast

Toasters use heat to turn bread into toast, so the toast feels warm or hot when it is done.

2. An ice cube feels warm in your hand.

Answer: B) False

Ice is frozen water, which is very cold to the touch.

3. The ____ in the sky makes the playground slide feel hot on a summer day.

Answer: B) Sun

The sun sends heat to Earth, which warms up objects like metal slides.

4. What happens to a snowman when the weather gets warm?

Answer: C) It melts into water

When heat is added to snow or ice, it changes from a solid to liquid water.

5. A refrigerator is used to keep our food cold.

Answer: A) True

Refrigerators take heat away from the food inside to keep it at a cold temperature.

6. We wear a heavy ____ to keep our body heat inside when it is snowing.

Answer: C) Coat

Coats act as an insulator, trapping our body heat so we stay warm in the cold air.

Name: _____ Date: _____

7. Which of these is a way to warm up your cold hands?

Answer: A) Rubbing them together quickly

Rubbing your hands together creates friction, which makes heat.

8. Soup gets hot when we put it on a stove.

Answer: A) True

A stove provides heat energy that moves into the soup to make it warm.

9. Which animal likes to lay in the sun to get warm?

Answer: B) A lizard on a rock

Lizards use the heat from the sun and warm rocks to raise their body temperature.

10. When we cook an egg, the heat makes the egg go from soft to ____.

Answer: C) Firm

Heat changes the way things look and feel, like making a liquid egg become a solid, firm egg.