# Year 5 Science: Heat: where thermal energy comes from and where it goes

Name: _____ Date: _____

Try these without your notes first, then check the answer key.

## Practice

1. You rub your hands together quickly and they get warm. What is the source of the thermal energy?

2. A cold can of drink sits on a table in a room at 22 °C. Which way does thermal energy move?

3. A bowl of soup at 60 °C is left on the bench in a room at 20 °C. What temperature will it end up at?

4. Which of these is a testable question: "Is summer the best season?" or "Does a lid change how fast hot water cools?"

5. Mia tests ice melting on two trays. She uses a big ice cube on the metal tray and a small one on the plastic tray. What is wrong with her test?

## Fix the mistake

6. Correct this statement: "When I hold ice, the cold moves into my hand."

7. Correct this statement: "A jumper makes heat, so it warms you up."

8. Correct this statement: "A hot drink keeps cooling until it is colder than the room."

9. Correct this statement: "Using a big ice cube on one tray and a small one on another is still a fair test."