



UNIT 6 HEAT

WATER AT ROOM TEMPERATURE

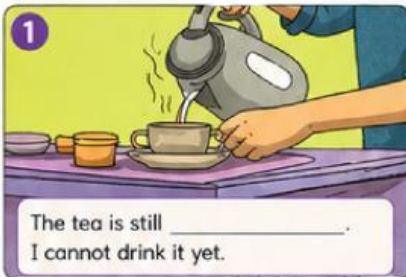
How does the temperature of water change when hot water cools to room temperature?

Name : _____
Class : _____ Date : _____



A. FILL IN THE BLANKS

Fill in the blanks using the words in the box.



The tea is still _____.
I cannot drink it yet.



This spoon is _____!



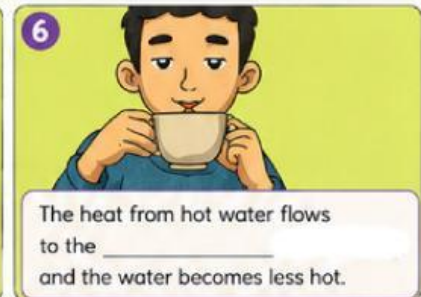
The tea has become _____.
I can now drink it.



The heat in the hot tea flows to the _____ spoon.



Our hand feels _____
because it gains heat from
the metal spoon.



The heat from hot water flows
to the _____.
and the water becomes less hot.

B. TRUE OR FALSE

Write **TRUE** or **FALSE** for each statement.

- Hot water gives heat to the spoon. _____
- The metal spoon gives heat to the hot tea. _____
- When hot water loses heat, its temperature decreases. _____
- The heat from hot water flows to the surrounding. _____
- Room temperature is the same as the temperature of hot water. _____

D. ORDER THE STEPS

Number the pictures below from 1 to 4 to show how hot tea cools to room temperature.



C. CHOOSE THE CORRECT ANSWER

Circle the correct answer.

- What happens to hot water when it is left at room temperature?
A. It gains heat. B. It loses heat. C. It stays the same.
- The metal spoon feels hot because it _____.
A. gives heat to the tea
B. gains heat from the hot tea
C. becomes cold
- Heat always flows from _____ to _____.
A. cold to hot B. hot to cold C. room to hot
- Which of the following is the surrounding?



SCIENCE INFO

Heat flows from a hotter object to a colder object. When hot water loses heat to the surroundings, its temperature decreases until it is equal to the room temperature.

