

Name :

Date :

Answer the questions correctly.

- (a) Ravi left the key for his bicycle at the school field. He was surprised because the key was too hot and cannot be held.

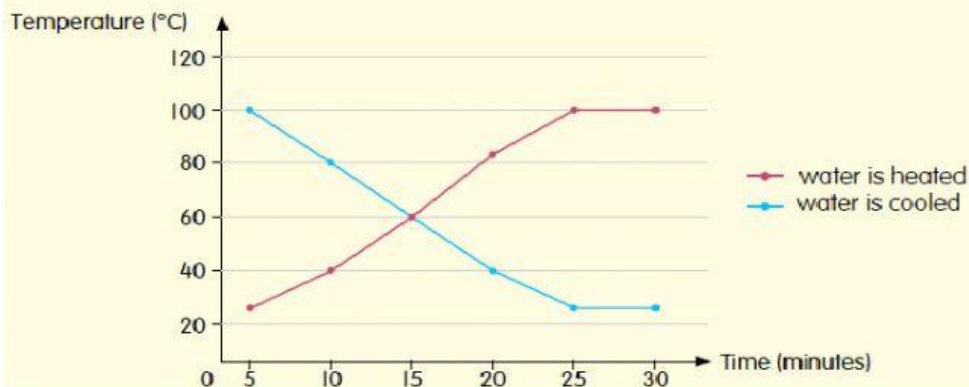
Based on the situation, why the key become hot?

It is because the key _____ heat from the surrounding.

- (b) Ana put the bottle of hot milk in a container filled with tap water. Why did Ana do that?

To allow the milk to _____ heat to the environment.

The graph below shows the changes in water temperature when the water is heated and cooled.



- (a) What is the trend of change of temperature as the water is cooled?

- (b) What is the trend of change of temperature as the water is heated?

- (c) What is the boiling point of the water in the graph?

- (d) What hypothesis can you make from the trend of change of water temperature?

When water gains heat, its temperature _____, and when water loses heat, its temperature _____.