

Look at the labelled objects in the picture. Identify the hotter and cooler objects.



ice

1. hotter object:

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water

2. colder object:

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3. What happened to the ice in the picture above? \_\_\_\_\_

4. Why did it happen?

- a. The ice lost heat to the water.
- b. The ice gains heat from the water.

5. When an object gains heat, its temperature \_\_\_\_\_

6. In the freezing of water, heat \_\_\_\_\_ freezes the water into ice.

7. Heat gain may help the matter to \_\_\_\_\_.

8. Railways tracks and bridges have gaps between them to deal with expansion on \_\_\_\_\_ days.

9. Mercury is a \_\_\_\_\_ in a glass thermometer that can expand when it absorbs heat.

10. Which effect of heat cause the change in the metal ball?

- a. The metal ball expands when it gains heat.
- b. The metal ball contracts when it gains heat.
- c. The metal ball expands when it loses heat.
- d. The metal ball contracts when it loses heat.