



Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

1 In the relationship of **heat** and **temperature**, temperature is a measurement of how much thermal energy an object contains.

Heat is

- A the same thing as temperature
- B only a measurement of thermal energy above 99°C
- C the transfer of thermal energy from cooler objects to warmer ones
- D the transfer of thermal energy from warmer objects to cooler ones

2 In the picture below, an ice cube is **melting** as it is being **held**. What is the explanation for this?

- A heat is being transferred from the ice cube to the hand
- B heat is being transferred from the hand to the ice cube
- C heat is being transferred from the ice cube to the air
- D friction is causing the cube to melt



3 In the picture below, heat is being **transferred** from the hand to the ice cube by which **process**?

4 When an **ice cube melts**, which of the following must have taken place?



5 **PREVIEW**  
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7 responsible for the air warming up in the room as a result of this fire?

- A conduction
- B radiation
- C condensation
- D fission

the following?

- A conduction
- B radiation
- C convection
- D evaporation

9 While swimming in a lake, a boy notices pockets of both **colder** and **warmer** water. This is explained by \_\_\_\_\_.

- A convection in the water
- B conduction in the water
- C radiation in the water
- D cloud cover over the water

10 Which object would make the best **conductor**?

- A a plastic fork
- B a metal spoon
- C a paper plate
- D plastic wrap





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