

Name.....Class.....Number.....

Pre-test

Unit 4 Heat Energy

Instruction: Please select the most correct answer

1. Which instrument is used to measure temperature?

- A. Barometer
- B. Hygrometer
- C. Thermostat
- D. Thermometer

2. How can the temperature of the object increase?

- A. Decrease pressure
- B. Increase pressure
- C. Exothermic
- D. Endothermic

3. In which of the events the temperature drops?

- A. Ice melts to water
- B. Water vapor evaporates into the air.
- C. The water freezes.
- D. The foul ball sublimates into a vapor.

4. Which type of heat transfer requires a medium?

- A. Endothermic
- B. Convection
- C. Conduction
- D. Exothermic

5. What kind of transfer is transferring heat by molecular vibrations?

- A. Radiation
- B. Convection
- C. Conduction
- D. Endothermic

6. Which of the following is exothermic?

- A. Water turns into vapor.
- B. Water turns into hot water.
- C. Ice melts into water
- D. The water freezes

7. Which of the following is the different endothermic properties of the object?

- A. Build furniture
- B. Train track construction
- C. Choosing paint color for the house
- D. Road construction

8. Which of the following objects expand the most when heated equally?

- A. Iron
- B. Lead
- C. Helium
- D. Oxygen

9. Why do objects expand?

- A. The mass of the object increased.
- B. The temperature of the object decreased
- C. The weight of the object increased.
- D. The binding force between the particles reduced.

10. Which is the use of thermal expansion of the object?

- A. Build furniture
- B. Train track construction
- C. Choosing paint color for the house
- D. Choosing clothes