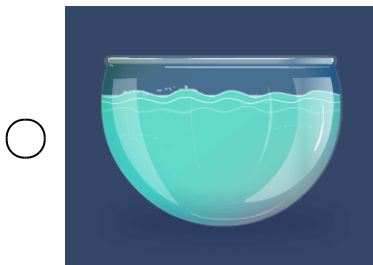


Transfer of Heat

Choose the correct answer.

1. Which container of water will take more time to boil?



2. Which of the following forms of energy can be converted into heat energy?

- Water
- Electricity

State whether the following statement is true or false.

3. Certain types of waste can be sources for heat energy.

- True
- False

Choose the correct answer.

4. If a spoon is inside a cup of coffee, there is a transfer of heat from a _____.



- cool object to a warm object
- warm object to a cool object

5. Which of the following is a substance that does not conduct heat energy?

- Insulator
- Radiator

6. Which of the following temperatures do the ice cubes need to be in order for it to remain frozen?



- 212°F
- 0°C

7. When heat energy is vibrating, or moving molecules are transferred to nearby molecules, it is called which of the following?

- Convection
- Conduction

8. Which of the following is sometimes referred to as thermal energy?

- Temperature
- Heat energy

9. Which of the following best defines temperature?



- Temperature is the measure of how hot or cold an object is.
- Temperature is what causes an object to become warmer.

10. Which of the following are sources of heat energy?

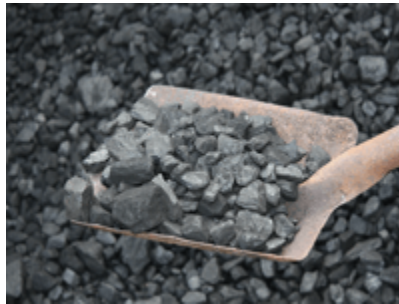
- Sun
- Earth
- Air
- All of the above

11. The _____ a substance, the more its molecules will move or vibrate.

cooler

hotter

12. Which of the following types of fuels can be used to generate heat energy?



Coal



Oil



Both coal and oil

13. Which of the following temperature scales has a boiling temperature of 212° and a freezing temperature of 32°?



- Celsius
- Fahrenheit

State whether the following statement is true or false.

14. Heat proofing a home is one way that people can conserve energy.

- True
- False

Choose the correct answer.

15. On a cold day, a coat or jacket can act as which of the following?

- Insulator
- Conductor