

Name: _____

Date: _____

1. Which of the following represents the three different phases or states of matter?

- a. Solid, water, and steam
- b. Ice, liquid, and gas
- c. Solid, liquid, and gas
- d. Liquid, water, and steam

2. How does an air-conditioning system primarily cool the interior of a vehicle?

- a. By moving the heat from inside the vehicle to outside the vehicle
- b. By blowing cold air into the interior
- c. By moving heat from inside of the vehicle to the engine cooling system
- d. By using the engine to move air

3. What is the approximate Fahrenheit equivalent of 20 degrees Celsius?

- a. 25°F
- b. 45°F
- c. 65°F
- d. 85°F

4. How is heat intensity primarily measured?

- a. BTUs
- b. Degrees
- c. RH
- d. Calories

5. What does a psychrometer measure?

- a. Temperature
- b. Relative humidity
- c. Amount of heat
- d. Radiation

6. What is a BTU a measure of?

- a. Temperature
- b. Relative humidity
- c. Amount of heat
- d. Radiation

7. Which term refers to heat transferred through the air?

- a. Radiation
- b. Insulation
- c. Convection
- d. Conduction

8. The air conditioning process works through a fluid that continuously changes state. What is this fluid called?

- a. Element
- b. Conductor
- c. Insulator
- d. Refrigerant

9. What is the preferred temperature range for humans?

- a. 55°F to 65°F
- b. 60°F to 70°F
- c. 68°F to 78°F
- d. 76°F to 86°F

10. What is the preferred relative humidity range for humans?

- a. 10% to 20%
- b. 20% to 30%
- c. 30% to 40%
- d. 45% to 55%

Automotive Technology 7th Edition

Chapter 60

Multiple Choice Quiz B

Answer Key

1. C

2. A

3. C

4. A

5. B

6. C

7. C

8. D

9. C

10. D