

Name: \_\_\_\_\_

Date: \_\_\_\_\_

1. Which molecule is a combination of one carbon, two chlorine, and two fluorine atoms?

- A. H<sub>2</sub>O
- B. R-12
- C. R-134a
- D. O<sub>2</sub>

2. At what temperature does water normally boil to become a gas?

- A. 100°C
- B. 0°C
- C. 50°C
- D. 150°C

3. What is the measure of the level of energy?

- A. Heat
- B. BTU
- C. Calorie
- D. Temperature

4. Which term describes heat that can travel through heat rays and pass from one location to another without warming the air through which it passes?

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

5. What is the fluid called that continuously changes state from liquid to gas and back to liquid in the air conditioning process?

- A. Element
- B. Conductor
- C. Insulator
- D. Refrigerant

6. What is the preferred temperature range for humans?

- A. 55°F; 65°F
- B. 60°F; 70°F
- C. 68°F; 78°F
- D. 76°F; 86°F

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

- A. 10%; 20%
- B. 20%; 30%
- C. 30%; 40%
- D. 45%; 55%

8. How is heat intensity measured?

- A. BTUs
- B. Degrees
- C. RH
- D. Calories

9. Which metric unit expresses the amount of heat needed to raise the temperature of a substance?

- A. Degree
- B. BTU
- C. Calorie
- D. Fahrenheit

10. What is the term for heat transferred through the air?

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

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Chapter 60

Multiple Choice Quiz A

Answer Key

1. B

2. A

3. D

4. C

5. D

6. C

7. D

8. A

9. C

10. C