

Name \_\_\_\_\_

**MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.**

- 1) The three different phases or states of matter include \_\_\_\_\_. 1) \_\_\_\_\_
  - A) Solid, water, and steam
  - B) Ice, liquid, and gas
  - C) Solid, liquid, and gas
  - D) Liquid, water, and steam
  
- 2) The boiling point of water is \_\_\_\_\_ on the Fahrenheit scale. 2) \_\_\_\_\_
  - A) 0 degrees
  - B) 32 degrees
  - C) 100 degrees
  - D) 212 degrees
  
- 3) Heat intensity refers to which of the following? 3) \_\_\_\_\_
  - A) The amount of heat in an area
  - B) The number of Btu in an area
  - C) The heat individuals feel
  - D) None of these
  
- 4) A measurement of the actual weight of water in a given volume of air is \_\_\_\_\_. 4) \_\_\_\_\_
  - A) Absolute humidity
  - B) Dew point
  - C) Relative humidity
  - D) Absolute pressure
  
- 5) Technician A says that 1 calorie of heat can increase the temperature of 1 g of water by 1°F. Technician B says that the temperature will increase 1°C if 1 c is added. Which technician is correct? 5) \_\_\_\_\_
  - A) Technician A only
  - B) Technician B only
  - C) Both technicians
  - D) Neither technician
  
- 6) Humans prefer temperatures that are between \_\_\_\_\_ and \_\_\_\_\_. 6) \_\_\_\_\_
  - A) 55°F; 65°F
  - B) 60°F; 70°F
  - C) 68°F; 78°F
  - D) 76°F; 86°F
  
- 7) Two technicians are discussing heat movement. Technician A says that heat is a form of energy. Technician B says that heat travels from hot to cold. Which technician is correct? 7) \_\_\_\_\_
  - A) Technician A only
  - B) Technician B only
  - C) Both technicians
  - D) Neither technician

8) Many late model vehicles use a(an) \_\_\_\_\_ to help clean the air in the vehicle. 8) \_\_\_\_\_  
A) Drip system  
B) Condenser filter  
C) Cabin filter  
D) None of these

9) One BTU is equal to \_\_\_\_\_ calories. 9) \_\_\_\_\_  
A) 100  
B) 212  
C) 252  
D) 32

10) The freezing point of water is \_\_\_\_\_ on the Celsius scale. 10) \_\_\_\_\_  
A) 100 degrees  
B) 0 degrees  
C) 32 degrees  
D) 212 degrees

## Answer Key

Testname: AHAC8\_1B

1) C

Page Ref: 2

2) D

Page Ref: 4

3) C

Page Ref: 3

4) A

Page Ref: 4

5) B

Page Ref: 2

6) C

Page Ref: 9

7) C

Page Ref: 7-8

8) C

Page Ref: 10

9) C

Page Ref: 2

10) B

Page Ref: 4