

Automotive Heating and Air Conditioning, 9th Edition

Quiz 2A

NAME _____

1. 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? 1. _____
A) Technician A only
B) Technician B only
C) Both technicians A and B
D) Neither technician A nor B

2. The purpose of air conditioning is to _____. 2. _____
A) remove dust and pollen
B) remove moisture
C) remove heat
D) All of the above.

3. Technician A says that the freezing point of a substance is the temperature at which the substance changes state from a solid to a liquid. Technician B says that the freezing point of a substance is the temperature at which the substance changes state from a liquid to a solid. Which technician is correct? 3. _____
A) Technician A only
B) Technician B only
C) Both technicians A and B
D) Neither technician A nor B

4. The freezing point of water is _____ on the Celsius scale. 4. _____
A) 100 degrees
B) 0 degrees
C) 32 degrees
D) 212 degrees

5. Heat transferred through the air is called _____. 5. _____
A) radiation
B) insulation
C) convection
D) conduction

6. A main source of heat used to warm the passenger compartment is _____. 6. _____
A) ambient air
B) sunlight
C) humidity
D) the vehicle engine

7. A BTU is a measure of _____. 7. _____
A) temperature
B) relative humidity
C) amount of heat
D) radiation

8. A psychrometer measures _____. 8. _____
- A) temperature
 - B) relative humidity
 - C) amount of heat
 - D) radiation
9. 100 degrees F is about _____ degrees C. 9. _____
- A) 20
 - B) 45
 - C) 38
 - D) 50
10. Heat intensity is measured in _____. 10. _____
- A) BTUs
 - B) degrees
 - C) RH
 - D) calories

Answer Key

Testname: AHAC9_2A

1. C
Page Ref: 11-12
2. D
Page Ref: 18-19
3. B
Page Ref: 11
4. B
Page Ref: 13
5. A
Page Ref: 16
6. D
Page Ref: 14
7. C
Page Ref: 11
8. B
Page Ref: 14
9. C
Page Ref: 13
10. B
Page Ref: 12