

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

- 1) Heat transferred through the air is called \_\_\_\_\_.  
A) Conduction                      B) Convection                      C) Radiation                      D) Insulation                      1) \_\_\_\_\_
- 2) Humans prefer relative humidity that is between \_\_\_\_\_ and \_\_\_\_\_.  
A) 30%; 40%                      B) 45%; 55%                      C) 10%; 20%                      D) 20%; 30%                      2) \_\_\_\_\_
- 3) A main source of heat used to warm the passenger compartment is \_\_\_\_\_.  
A) Sunlight    B) The vehicle engine  
C) Ambient air    D) Humidity    3) \_\_\_\_\_
- 4) In addition to cooling the passenger compartment, an air conditioning system \_\_\_\_\_.  
A) Dehumidifies the air    B) Puts moisture in the air  
C) Heats the passengers    D) All of these    4) \_\_\_\_\_
- 5) The freezing point of water is \_\_\_\_\_ on the Celsius scale.  
A) 212 degrees                      B) 32 degrees                      C) 0 degrees                      D) 100 degrees                      5) \_\_\_\_\_
- 6) A BTU is a measure of \_\_\_\_\_.  
A) Amount of heat    B) Temperature  
C) Radiation    D) Relative humidity    6) \_\_\_\_\_
- 7) Many late model vehicles use a(an) \_\_\_\_\_ to help clean the air in the vehicle.  
A) Condenser filter    B) Cabin filter  
C) Drip system    D) None of these    7) \_\_\_\_\_
- 8) Winter presents a \_\_\_\_\_, where heat must be added for comfort.  
A) Heating load                      B) Warm trend                      C) Cooling load                      D) Heavy load                      8) \_\_\_\_\_
- 9) Heat intensity refers to which of the following?  
A) The heat individuals feel    B) The amount of heat in an area  
C) The number of Btu in an area    D) None of these    9) \_\_\_\_\_
- 10) 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?  
A) Technician A only    B) Technician B only  
C) Both technicians    D) Neither technician    10) \_\_\_\_\_