

AUTEC 317 CH-3

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

- 1) The purpose of air conditioning is to \_\_\_\_\_. 1) \_\_\_\_\_  
A) Remove moisture B) Remove dust and pollen  
C) Remove heat D) All of the above.
- 2) Humans prefer relative humidity that is between \_\_\_\_\_ and \_\_\_\_\_. 2) \_\_\_\_\_  
A) 20%; 30% B) 10%; 20% C) 45%; 55% D) 30%; 40%
- 3) A BTU is a measure of \_\_\_\_\_. 3) \_\_\_\_\_  
A) Amount of heat B) Radiation  
C) Relative humidity D) Temperature
- 4) A psychrometer measures \_\_\_\_\_. 4) \_\_\_\_\_  
A) Relative humidity B) Radiation  
C) Temperature D) Amount of heat
- 5) Heat intensity refers to which of the following? 5) \_\_\_\_\_  
A) The number of Btu in an area B) The amount of heat in an area  
C) The heat individuals feel D) None of these
- 6) A main source of heat used to warm the passenger compartment is \_\_\_\_\_. 6) \_\_\_\_\_  
A) The vehicle engine B) Sunlight  
C) Humidity D) Ambient air
- 7) The amount of moisture contained by air is called \_\_\_\_\_. 7) \_\_\_\_\_  
A) Temperature B) Humidity C) Ambient D) None of these
- 8) The air-conditioning process works through a fluid, called a \_\_\_\_\_ that continuously changes state from liquid to gas and back to liquid. 8) \_\_\_\_\_  
A) Element B) Refrigerant C) Conductor D) Insulator
- 9) The amount of water that air can hold depends on \_\_\_\_\_. 9) \_\_\_\_\_  
A) Absolute pressure and dew point B) Absolute pressure and temperature  
C) The air temperature D) Barometric pressure and evaporation
- 10) Heat intensity is measured in \_\_\_\_\_. 10) \_\_\_\_\_  
A) Calories B) BTUs C) Degrees D) None of these