

Name \_\_\_\_\_

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

- 1) Where is the ozone layer? 1) \_\_\_\_\_
  - A) Near ground level
  - B) In the stratosphere
  - C) In the clouds
  - D) Between the ground and the clouds
  
- 2) The lower the GWP number, the \_\_\_\_\_. 2) \_\_\_\_\_
  - A) Lower the global warming potential
  - B) Higher the global warming potential
  - C) Closer it is to the ground
  - D) The more poisonous
  
- 3) Technician A says that mixing small amounts of refrigerant is acceptable according to the EPA. Technician B says that each refrigerant must have unique fittings to reduce accidental mixing of refrigerants. Which technician is correct? 3) \_\_\_\_\_
  - A) Technician A only
  - B) Technician B only
  - C) Both technicians
  - D) Neither technician
  
- 4) A new refrigerant, required to be used in the USA beginning in year 2021, is \_\_\_\_\_. 4) \_\_\_\_\_
  - A) R 744
  - B) SNAP 2011
  - C) R 134a
  - D) R 1234yf
  
- 5) The global warming potential (GWP) of a refrigerant is a measure of the refrigerant's ability to \_\_\_\_\_. 5) \_\_\_\_\_
  - A) Hold a high pressure
  - B) Trap heat
  - C) Ignite
  - D) Produce low temperatures
  
- 6) One drawback to using CO<sub>2</sub> (R-744) as a refrigerant is \_\_\_\_\_. 6) \_\_\_\_\_
  - A) CO<sub>2</sub> is hard to produce
  - B) CO<sub>2</sub> system pressures are extremely high
  - C) CO<sub>2</sub> is flammable
  - D) CO<sub>2</sub> is damaging to plant life

- 7) Because R-1234yf refrigerant is \_\_\_\_\_, special equipment is required. 7) \_\_\_\_\_
- A) Slightly flammable
  - B) Viscous
  - C) Heavier than water
  - D) Red in color
- 8) One possible new type of vehicle air conditioning system is the \_\_\_\_\_ system. 8) \_\_\_\_\_
- A) Closed loop
  - B) Secondary loop
  - C) Bi-cooling
  - D) Raw water cooled
- 9) Precautions when working with refrigerants include \_\_\_\_\_. 9) \_\_\_\_\_
- A) Wear safety goggles or a clear face shield and protective clothing (gloves) when working with refrigerants
  - B) Always be in a well-ventilated shop area when working with refrigerants and avoid small, enclosed areas
  - C) When refrigerant containers are filled, reserve room is left for expansion and the container is marked with its critical temperature
  - D) All of the above
- 10) Global warming potential (GWP) is decreased if a gas has a \_\_\_\_\_ GWP number. 10) \_\_\_\_\_
- A) Higher
  - B) Lower
  - C) Metric
  - D) Semi-decimal

## Answer Key

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1) B

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2) A

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3) B

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4) D

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5) B

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6) B

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7) A

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8) B

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9) D

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10) B

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