

Name \_\_\_\_\_

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

- 1) What section of the Clean Air Act concerns work on air-conditioning systems in vehicles? 1) \_\_\_\_\_  
A) 847  
B) 609  
C) 777  
D) 103a
  
- 2) What type of oil is specified for R-1234yf systems? 2) \_\_\_\_\_  
A) PAG with an added sealer fluid  
B) PAG with a special additive package  
C) The same oil that R-134a uses  
D) A special mineral oil
  
- 3) The first worldwide effort to limit the use of ozone-depleting chemicals has become known as 3) \_\_\_\_\_  
\_\_\_\_\_.  
A) The London Reassessment  
B) The Montreal Protocol  
C) SALT  
D) CERN
  
- 4) The ozone layer primarily filters what type of radiation? 4) \_\_\_\_\_  
A) Ultraviolet  
B) Infrared  
C) Thermal  
D) None of these is correct
  
- 5) \_\_\_\_\_ is thought to be the chemical chiefly responsible for depletion of the ozone layer. 5) \_\_\_\_\_  
A) Hydrogen  
B) Chlorine  
C) Nitrogen  
D) Carbon
  
- 6) The ozone layer is in which of earth's atmospheric layers? 6) \_\_\_\_\_  
A) Stratosphere  
B) Thermosphere  
C) Mesosphere  
D) None of these is correct
  
- 7) Why is it important to keep refrigerant oil containers closed? 7) \_\_\_\_\_  
A) To keep dirt out  
B) To keep it from evaporating  
C) To keep it from absorbing moisture from the air  
D) It can leak out by traveling upward through an open container

- 8) Which refrigerant has the lowest global warming potential (GWP)? 8) \_\_\_\_\_
- A) R-744
  - B) R-134a
  - C) R-1234yf
  - D) R-12
- 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) Most R-134a refrigeration systems use \_\_\_\_\_ oil for lubrication. 10) \_\_\_\_\_
- A) PAG
  - B) Mineral
  - C) POE
  - D) SAE 30

## Answer Key

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1) B

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2) B

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3) B

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4) A

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5) B

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6) A

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7) C

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8) A

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9) D

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10) A

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