

Automotive Heating and Air Conditioning, 9th Edition

Quiz 5A

NAME _____

1. Why is it important to keep refrigerant oil containers closed? 1. _____
 - 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

2. What type of refrigerant oil is used in R-134a systems? 2. _____
 - A) POE
 - B) PAG
 - C) Mineral
 - D) Either A or B, depending on the vehicle

3. The ozone layer primarily filters what type of radiation? 3. _____
 - A) Ultraviolet
 - B) Infrared
 - C) Thermal
 - D) None of these is correct

4. The first worldwide effort to limit the use of ozone-depleting chemicals has become known as _____ 4. _____
 - A) The London Reassessment
 - B) The Montreal Protocol
 - C) SALT
 - D) CERN

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. What section of the Clean Air Act concerns work on air-conditioning systems in vehicles? 6. _____
 - A) 847
 - B) 609
 - C) 777
 - D) 103a

7. The ozone layer is in which of earth's atmospheric layers? 7. _____
 - A) Stratosphere
 - B) Thermosphere
 - C) Mesosphere
 - D) None of these is correct

8. What is true about a SNAP refrigerant? 8. _____
- A) Requires unique set of fittings, and all ports not converted must be permanently disabled.
 - B) Each refrigerant must have a label with a unique color that specifies pertinent information.
 - C) All original refrigerants must be removed before charging with the new refrigerant.
 - D) All of the above
9. What type of oil is specified for R-1234yf systems? 9. _____
- 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
10. Where is the ozone layer? 10. _____
- A) Near ground level
 - B) In the stratosphere
 - C) In the clouds
 - D) Between the ground and the clouds

Answer Key

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