

Automotive Heating and Air Conditioning, 9th Edition

Quiz 5B

NAME _____

1. One possible new type of vehicle air conditioning system is the _____ system. 1. _____
 - A) closed loop
 - B) secondary loop
 - C) bi-cooling
 - D) raw water cooled

2. Global warming potential (GWP) is decreased if a gas has a _____ GWP number. 2. _____
 - A) higher
 - B) lower
 - C) metric
 - D) semi-decimal

3. Because R-1234yf refrigerant is _____, special equipment is required. 3. _____
 - A) slightly flammable
 - B) viscous
 - C) heavier than water
 - D) red in color

4. The lower the GWP number, the _____. 4. _____
 - A) lower the global warming potential
 - B) higher the global warming potential
 - C) closer it is to the ground
 - D) more poisonous

5. Precautions when working with refrigerants include _____. 5. _____
 - 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

6. What is true about a SNAP refrigerant? 6. _____
 - 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

7. _____ is thought to be the chemical chiefly responsible for depletion of the ozone layer. 7. _____
- A) hydrogen
 - B) chlorine
 - C) nitrogen
 - D) carbon
8. The ozone layer is in which of earth's atmospheric layers? 8. _____
- A) Stratosphere
 - B) Thermosphere
 - C) Mesosphere
 - D) None of these is correct
9. The global warming potential (GWP) of a refrigerant is a measure of the refrigerant's ability to _____ 9. _____
- A) hold a high pressure
 - B) trap heat
 - C) ignite
 - D) produce low temperatures
10. The ozone layer primarily filters what type of radiation? 10. _____
- A) Ultraviolet
 - B) Infrared
 - C) Thermal
 - D) None of these is correct

Answer Key

Testname: AHAC9_5B

1. B

Page Ref: 58

2. B

Page Ref: 55

3. A

Page Ref: 55

4. A

Page Ref: 55

5. D

Page Ref: 59

6. D

Page Ref: 57

7. B

Page Ref: 54

8. A

Page Ref: 54

9. B

Page Ref: 55

10. A

Page Ref: 54