

Name _____

8thHTACch-4

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

- 1) A new refrigerant, required to be used in the USA beginning in year 2021, is _____. 1) _____
A) R 134a B) R 744 C) R 1234yf D) SNAP 2011

- 2) Global warming potential (GWP) is decreased if a gas has a _____ GWP number. 2) _____
A) Metric B) Higher C) Semi-decimal D) Lower

- 3) What type of oil is specified for R-1234yf systems? 3) _____
A) PAG with a special additive package B) PAG with an added sealer fluid
C) The same oil that R-134a uses D) A special mineral oil

- 4) R-134a is in what color container? 4) _____
A) Red B) White C) Light blue D) Green

- 5) Because R-1234yf refrigerant is _____, special equipment is required. 5) _____
A) Red in color B) Heavier than water
C) Viscous D) Slightly flammable

- 6) What is true about a SNAP refrigerant? 6) _____
A) Each refrigerant must have a label with a unique color that specifies pertinent information.
B) All original refrigerants must be removed before charging with the new refrigerant.
C) Requires unique set of fittings, and all ports not converted must be permanently disabled.
D) All of the above

- 7) What type of refrigerant oil is used in R-134a systems? 7) _____
A) POE B) PAG
C) Mineral D) Either A or B, depending on the vehicle

- 8) Which refrigerant has the lowest global warming potential (GWP)? 8) _____
A) R-12 B) R-744 C) R-1234yf D) R-134a

- 9) Most R-134a refrigeration systems use _____ oil for lubrication. 9) _____
A) PAG B) SAE 30 C) Mineral D) POE

- 10) One drawback to using CO₂ (R-744) as a refrigerant is _____. 10) _____
A) CO₂ system pressures are extremely high B) CO₂ is flammable
C) CO₂ is hard to produce D) CO₂ is damaging to plant life