

Name _____

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

- 1) The engine control module (ECM) can compensate for changes in altitude by modifying _____ 1) _____
A) engine displacement
B) ignition timing
C) idle speed
D) engine temperature
- 2) Using ethanol-enhanced or reformulated gasoline can result in _____. 2) _____
A) improved fuel economy compared to using 100% gasoline
B) reduced fuel economy compared to using 100% gasoline
C) the same fuel economy compared to using 100% gasoline
D) higher or lower fuel economy, depending on the size of the engine
- 3) Vapor lock can occur _____. 3) _____
A) as a result of excessive heat near fuel lines
B) if a fuel line is restricted
C) during both A and B
D) during neither A nor B
- 4) Technician A says that the research octane number is higher than the motor octane number. 4) _____
Technician B says that the octane rating posted on fuel pumps is an average of the two ratings.
Which technician is correct?
A) Technician A only
B) Technician B only
C) Both technicians
D) Neither technician
- 5) To avoid problems with the variation of gasoline, all government testing uses _____ as a fuel 5) _____
during testing procedures.
A) MBTE (methyl tertiary butyl ether)
B) indolene
C) xylene
D) TBA (tertiary butyl alcohol)
- 6) Winter blend gasoline _____. 6) _____
A) vaporizes more easily than summer blend gasoline
B) has a higher RVP
C) can cause engine driveability problems if used during warm weather
D) all of the above

- 7) The gasoline burned inside the internal combustion engine is a type of _____. 7) _____
A) carbon monoxide
B) hydrocarbon
C) compressed vapor
D) alcohol
- 8) Adding up to 10% ethanol to gasoline can also increase the fuel's _____. 8) _____
A) A/F ratio
B) volatility
C) temperature
D) color
- 9) Which of these symptoms may be caused by excessive ethanol in the fuel? 9) _____
A) High idle speed
B) Poor AC performance
C) Late transmission shifting
D) Rough idle or stall
- 10) Reformulated gasoline contains at least _____ percent oxygen by weight. 10) _____
A) 2
B) 10
C) 1
D) zero