

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

## Answer Key

Testname: AT6\_68A

1) B

Page Ref: 812

2) B

Page Ref: 814

3) C

Page Ref: 809

4) C

Page Ref: 811

5) B

Page Ref: 811

6) D

Page Ref: 807

7) B

Page Ref: 807

8) B

Page Ref: 813

9) D

Page Ref: 815

10) A

Page Ref: 814