

Name _____

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

- 1) Technician A says that E10 contains 10% ethanol and 90% gasoline. Technician B says that the octane rating posted on fuel pumps is an average of the two ratings. Who is right? 1) _____
A) Technician A only
B) Technician B only
C) Both A and B
D) Neither A nor B
- 2) Technician A says that spark knock, ping, and detonation are different names for abnormal combustion. Technician B says that any abnormal combustion raises the temperature and pressure inside the combustion chamber and can cause severe engine damage. Who is right? 2) _____
A) Technician A only
B) Technician B only
C) Both A and B
D) Neither A nor B
- 3) A flex-fuel vehicle can be identified by _____. 3) _____
A) Emblems on the side, front, and/or rear of the vehicle
B) VECI
C) VIN
D) Any of the above
- 4) Technician A says that the use of premium high-octane gasoline in an engine designed to use regular-grade gasoline will increase engine power. Technician B says that flexible fuel vehicles are designed to operate on gasoline or gasoline-ethanol blends up to 85% ethanol. Who is right? 4) _____
A) Technician A only
B) Technician B only
C) Both A and B
D) Neither A nor B
- 5) When refueling a CNG vehicle, why is it recommended that the tank be filled to a high pressure? 5) _____
A) The range of the vehicle is increased.
B) The cost of the fuel is lower.
C) Less of the fuel is lost due to evaporation.
D) Both A and C
- 6) E85 means that the fuel is made from _____. 6) _____
A) 85% gasoline and 15% ethanol
B) 85% ethanol and 15% gasoline
C) Ethanol that has 15% water
D) Pure ethyl alcohol

- 7) Filling a portable gas tank while in the bed of a truck reduces the possibility of a static electricity spark. 7) _____
A) True
B) False
- 8) Technician A says that gasoline is a complex blend of hydrocarbons. Technician B says that gasoline is blended for seasonal usage to achieve the correct volatility for easy starting and maximum fuel economy. Who is right? 8) _____
A) Technician A only
B) Technician B only
C) Both A and B
D) Neither A nor B
- 9) Most automotive diesel fuel is what grade? 9) _____
A) Grade #1
B) Grade #2
C) Grade #3
D) Grade #4
- 10) The higher the cetane rating, the _____. 10) _____
A) Easier the engine starts when cold
B) Easier the engine starts when hot
C) More power the engine produces
D) Both B and C

Answer Key

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1) C

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2) C

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3) D

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4) B

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5) A

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6) B

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7) B

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8) C

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9) B

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10) A

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