

Name _____

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

- 1) One should avoid topping off their fuel tank because the _____. 1) _____
 - A) charcoal canister may get saturated
 - B) extra fuel simply spills onto the ground
 - C) charcoal canister may get dry
 - D) gas cap may leak due to fuel expansion

- 2) When refueling a CNG vehicle, why is it recommended that the tank be filled to a high pressure? 2) _____
 - 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

- 3) Technician A says that gasoline should always be purchased from a busy station, and the vehicle's tank should not be overfilled. Technician B says that oxygenated fuels contain extra oxygen to help increase CO exhaust emissions. Which technician is correct? 3) _____
 - A) Technician A
 - B) Technician B
 - C) Both technicians
 - D) Neither technician

- 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. Which technician is correct? 4) _____
 - A) Technician A
 - B) Technician B
 - C) Both technicians
 - D) Neither technician

- 5) Most regular-grade gasoline today, using the $(R + M) \div 2$ rating method, is which of these octane ratings? 5) _____
 - A) 87
 - B) 89
 - C) 91
 - D) 85

- 6) The fuel in a CNG fueled vehicle is stored at a pressure as high as 3500 PSI. The CNG is delivered to the mixture control valve at a pressure of _____. 6) _____
 - A) 0.5 PSI
 - B) 4 to 6 PSI
 - C) 150 to 175 PSI
 - D) None of these

- 7) Vapor lock can occur under which of these conditions? 7) _____
- A) High heat near fuel lines
 - B) RVP too high
 - C) During both A and B
 - D) During neither A nor B
- 8) Exxon Mobil has developed a process for converting methanol (methyl alcohol) into gasoline in a process called _____. 8) _____
- A) methanol-to-gasoline (MTG)
 - B) ethanol-to-gasoline (ETG)
 - C) MTBE (methyl tertiary butyl ether)
 - D) TBA (tertiary butyl alcohol)
- 9) What can be used to measure the alcohol content in gasoline? 9) _____
- A) Graduated cylinder
 - B) Electronic tester
 - C) Scan tool
 - D) Either A or B
- 10) Abnormal combustion (also called detonation or spark knock) increases both the temperature and _____ inside the combustion chamber? 10) _____
- A) Carbon
 - B) Hydrogen
 - C) Pressure
 - D) EGR

Answer Key

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1) A

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2) A

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3) A

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4) B

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5) A

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6) A

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7) C

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8) A

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9) D

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10) C

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