

Name _____

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

- 1) Synthetic fuels are usually manufactured using _____. 1) _____
 - A) Coal-to-liquid (CTL)
 - B) Methanol-to-liquid
 - C) Fischer-Tropsch process
 - D) Coal-to-gasoline

- 2) Propane tanks are usually filled to what pressure? 2) _____
 - A) Less than 300 PSI (2,100 kPa)
 - B) 600 PSI (1,414 kPa)
 - C) 1,000 PSI (6,900 kPa)
 - D) 3,600 PSI (25,000 kPa)

- 3) A propane storage tank can be filled a maximum _____ of its total volume. 3) _____
 - A) 100%
 - B) 72%
 - C) 90%
 - D) 80%

- 4) A bi-fuel vehicle can run on either _____ or _____. 4) _____
 - A) CNG; propane
 - B) Propane; E85
 - C) Gasoline; propane
 - D) Gasoline; E85

- 5) CNG as a vehicle fuel is cheaper than gasoline and has a higher heat value than gasoline. 5) _____
 - A) True
 - B) False

- 6) A vehicle burning CNG loses about _____ percent power as compared to gasoline. 6) _____
 - A) 10
 - B) 85
 - C) Zero
 - D) 40

- 7) Propane can be injected as a _____ into the intake manifold. 7) _____
 - A) Vapor
 - B) Liquid
 - C) Either A or B, depending on the air temperature
 - D) Either A or B, depending on the type of fuel system

8) Which is the most widely used alternative fuel?

8) _____

- A) E85
- B) Propane
- C) CNG
- D) M85

9) The stoichiometric ration for CNG is _____.

9) _____

- A) 16.5 to 1
- B) 14.7 to 1
- C) 9 to 1
- D) 8 to 1

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

10) _____

- A) The range of the vehicle is increased
- B) The cost of the fuel is lower
- C) Less of the fuel is lost to evaporation
- D) Both A and C

Answer Key

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1) C

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2) A

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3) D

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4) C

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5) A

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6) A

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7) D

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8) B

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9) A

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10) A

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