

Name _____

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

- 1) Which is the most widely used alternative fuel? 1) _____
A) E85
B) Propane
C) CNG
D) M85

- 2) Using an ethanol-enhanced or reformulated gasoline can result in reduced fuel economy. 2) _____
A) True
B) False

- 3) How much compressed natural gas (CNG) does it require to achieve the energy of one gallon of gasoline? 3) _____
A) 130 cubic feet
B) 122 cubic feet
C) 105 cubic feet
D) 91 cubic feet

- 4) Ethanol can be produced from what products? 4) _____
A) Switchgrass
B) Corn
C) Sugarcane
D) Any of the above

- 5) A vehicle burning CNG loses about _____ percent power as compared to gasoline. 5) _____
A) 10
B) 85
C) zero
D) 40

- 6) Which of these is NOT a possible effect of using gasoline with alcohol additives? 6) _____
A) Increased octane
B) Reduced CO emissions
C) Increased volatility
D) All of these can result from using alcohol additives.

- 7) What personal protective equipment should be worn when working with alternative fuels? 7) _____
A) Safety glasses
B) Gloves
C) Long sleeve shirt and long pants
D) All of the above

- 8) A flex-fuel vehicle uses the PCM to make adjustments to the engine according to the percentage of ethanol in the fuel. The PCM must adjust which engine settings? 8) _____
- A) Quantity of fuel delivered
 - B) Ignition timing
 - C) Both A and B
 - D) Neither A nor B
- 9) When refueling a CNG vehicle, why is it recommended that the tank be filled to a high pressure? 9) _____
- 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
- 10) E85 means that the fuel is made from _____. 10) _____
- A) 85% gasoline, 15% ethanol
 - B) 85% ethanol, 15% gasoline
 - C) ethanol that has 15% water
 - D) pure ethyl alcohol