

Name _____

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

- 1) Technician A says the stoichiometric ratio for gasoline is about 9.0:1. Technician B says the stoichiometric ratio for ethanol is about 9.0:1. Which technician is correct? 1) _____
A) Technician A only
B) Technician B only
C) Both technicians
D) Neither technician
- 2) Which alcohol is dangerous (toxic)? 2) _____
A) Methanol
B) Ethanol
C) Both ethanol and methanol
D) Neither ethanol nor methanol
- 3) 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? 3) _____
A) Quantity of fuel delivered
B) Ignition timing
C) Both A and B
D) Neither A nor B
- 4) How much compressed natural gas (CNG) does it require to achieve the energy of one gallon of gasoline? 4) _____
A) 130 cubic feet
B) 122 cubic feet
C) 105 cubic feet
D) 91 cubic feet
- 5) The stoichiometric ration for CNG is _____. 5) _____
A) 16.5 to 1
B) 14.7 to 1
C) 9 to 1
D) 8 to 1
- 6) Technician A says vehicles capable of using 100% ethanol are known as flex fuel vehicles. Technician B says these vehicles are unable to achieve 100 horsepower. Which technician is correct? 6) _____
A) Technician A only
B) Technician B only
C) Both technicians
D) Neither technician

- 7) Methanol is also called _____. 7) _____
A) methyl alcohol
B) wood alcohol
C) methyl hydrate
D) all of the above
- 8) What personal protective equipment should be worn when working with alternative fuels? 8) _____
A) Safety glasses
B) Gloves
C) Long sleeve shirt and long pants
D) All of the above
- 9) Which is the most widely used alternative fuel? 9) _____
A) E85
B) Propane
C) CNG
D) M85
- 10) A flex-fuel vehicle can be identified by _____. 10) _____
A) emblems on the side, front, and/or rear of the vehicle
B) VECI
C) VIN
D) any of the above