

Name \_\_\_\_\_

**SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question.**

1) What is stoichiometric?

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2) What does the  $(R + M) \div 2$  gasoline pump octane rating indicate?

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3) Biodiesel blends are identified by what designation?

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4) How is a flexible fuel vehicle identified?

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5) Why is it desirable to fill a compressed natural gas (CNG) vehicle with the highest pressure available?

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## Answer Key

Testname: AEEP8\_SHORT28

- 1) Stoichiometric is the air-fuel ratio where all of the fuel mixes with all of the oxygen in the air and burns completely.  
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- 2) The octane rating indicates the average of the research (R) and motor (M) method octane ratings and what is posted on the gasoline pumps.  
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- 3) Biodiesel blends are identified by the letter "B" followed by the percentage of biodiesel included in the blend, such as B5 or B20.  
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- 4) A flex fuel vehicle can be identified by:
  1. Emblems on the vehicle
  2. Yellow fuel cap
  3. Vehicle identification number (VIN)Page Ref: 450
- 5) The higher the pressure is, the more fuel that is added to the tank and the greater the range of the vehicle.  
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