

Name _____

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

1) How is a flexible fuel vehicle identified?

2) What other gases are often mixed with propane?

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

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

5) What is the difference between summer-blend and winter-blend gasoline?

6) Biodiesel blends are identified by what designation?

Answer Key

Testname: INTRO_SHORT28

1) A flex fuel vehicle can be identified by:

1. Emblems on the vehicle
2. Yellow fuel cap
3. Vehicle identification number (VIN)

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2) Gases often mixed with propane include: butane, propylene, butylene, mercaptan (to add smell).

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3) 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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4) R stands for research method and the M stands for the motor method for determine the octane rating. Therefore $R + M/2$ represents the average of the two methods.

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5) Winter blend gasoline has a higher RVP rating to allow engines to start when cold. Summer blend gasoline has a lower RVP rating to help prevent vapor-related problem in hot weather.

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6) Biodiesel uses the capital letter B followed by a number which indicates the percentage of petroleum diesel. For example, B20 means that it contains 20% biodiesel and 80% petroleum diesel.

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