

Automotive Technology 7<sup>th</sup> Edition  
Chapter 67: Gasoline, Alternative Fuels, and Diesel Fuels  
Short Answer Quiz

Name:

Date:

1. How can a flex fuel vehicle be identified? List all possible indicators.
2. Explain the significance of filling a CNG vehicle's tank to a high pressure during refueling.
3. Describe the characteristics and composition of Compressed Natural Gas (CNG).
4. What precautions should be taken when working around compressed gases such as CNG, LNG, propane, or LPG?
5. Discuss the features and requirements of diesel fuel in comparison to gasoline.

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6. What is the purpose of the expansion area at the top of a fuel tank, and why is it important not to overfill the gas tank?

7. Describe the crude oil refining process and its major steps.

8. What are the components used in P-series fuel, and how can they be varied?

9. Explain the difference between winter-blend gasoline and summer-blend gasoline.

10. What are the potential consequences of abnormal combustion in an engine, and how do terms like spark knock, ping, and detonation relate to this phenomenon?