

Name: \_\_\_\_\_

Date: \_\_\_\_\_

1. What is the primary characteristic of diesel fuel compared to gasoline?
  - A. It contains less heat energy
  - B. It is ignited by a spark
  - C. It contains 12% more heat energy
  - D. It has a lower compression ratio
  
2. What is the primary requirement for diesel fuel used in engines?
  - A. It should be free from water
  - B. It should have a high octane rating
  - C. It should be mixed with gasoline
  - D. It should be dyed red
  
3. What is the primary reason for not overfilling a gas tank?
  - A. To save fuel cost
  - B. To prevent raw gasoline from escaping to the charcoal canister
  - C. To prevent fuel evaporation
  - D. To ensure accurate fuel measurement
  
4. CNG is composed of:
  - A. Ethane
  - B. Propane
  - C. Methane
  - D. All of these
  
5. What is the primary effect of using winter-blend gasoline during warm weather?
  - A. Improved fuel efficiency
  - B. Reduced engine power
  - C. Engine driveability problems
  - D. Enhanced engine cooling
  
6. What does spark knock, ping, and detonation primarily refer to?
  - A. Abnormal combustion
  - B. Engine overheating
  - C. Fuel evaporation
  - D. Fuel contamination
  
7. What is the primary purpose of the expansion area at the top of a fuel tank?
  - A. To store extra fuel
  - B. To provide space for gasoline expansion
  - C. To separate water from fuel
  - D. To filter the fuel

8. What is the primary advantage of CNG over gasoline in terms of combustion?

- A. It requires heat to vaporize
- B. It has a lower octane rating
- C. It does not need heat to vaporize
- D. It produces more emissions

9. What is the primary reason for adding gasoline stabilizer when storing a vehicle?

- A. To increase fuel octane rating
- B. To prevent fuel evaporation and separation
- C. To clean the fuel system
- D. To improve fuel efficiency

10. What is the primary function of the Reid vapor pressure (RVP) gauge in a gasoline testing kit?

- A. To measure fuel density
- B. To detect fuel contamination
- C. To measure fuel volatility
- D. To determine fuel grade

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Chapter 67

Multiple Choice Quiz B

Answer Key

1. C

2. A

3. B

4. D

5. C

6. A

7. B

8. C

9. B

10. C