

Name: _____

Date: _____

1. What is the primary by-product of a fuel cell using hydrogen and oxygen?

- A. Water vapor
- B. CO
- C. CO₂
- D. Nonmethane hydrocarbon

2. Which type of fuel cell is most commonly used in vehicles?

- A. PAFC
- B. MCFC
- C. PEM
- D. SOFC

3. What is a major disadvantage of fuel cell vehicles?

- A. Limited refueling locations
- B. Excessive hydrocarbon exhaust emissions
- C. The fuel is easily obtained
- D. All of the above

4. Which of the following is NOT a function of an ultracapacitor?

- A. Can pass DC
- B. Can pass AC
- C. Can be charged with DC
- D. Discharges DC

5. Common pressures used at hydrogen filling stations include:

- A. H35
- B. H70
- C. H93
- D. Either A or B

6. Hydrogen storage tanks are typically made from:

- A. Steel
- B. Aluminum
- C. Carbon fiber
- D. Both B and C

7. The HCCI process eliminates the need for which components in a gasoline engine?

- A. Fuel tank
- B. Battery
- C. Ignition system
- D. Fuel injectors

8. Hydrogen can be produced from:

- A. Salt Water
- B. Natural gas
- C. Olice Oil
- D. Any of the above

9. What does H70-T40 signify when describing a hydrogen filling station?

- A. The type of hydrogen
- B. The temperature and pressure rating
- C. The size of the storage tank
- D. The estimated time needed to fill the tank

10. A fuel cell generates electricity from:

- A. Gasoline/oxygen
- B. Nitrogen/hydrogen
- C. Hydrogen/oxygen
- D. Water/oxygen

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Chapter 92

Multiple Choice Quiz A

Answer Key

1. A

2. C

3. A

4. A

5. D

6. D

7. C

8. B

9. B

10. C