

Name \_\_\_\_\_

**MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.**

- 1) What does H70-T40 mean when describing a hydrogen filling station? 1) \_\_\_\_\_
  - 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
  
- 2) The negative electrode in a fuel cell is called a(n) \_\_\_\_\_. 2) \_\_\_\_\_
  - A) anode
  - B) cathode
  - C) diode
  - D) none of these are correct
  
- 3) What are the by-products (emissions) from a fuel cell? 3) \_\_\_\_\_
  - A) Water vapor
  - B) CO<sub>2</sub>
  - C) CO
  - D) Nonmethane hydrocarbon
  
- 4) The experimental hydraulic storage system is used to assist the \_\_\_\_\_ of full-size vehicles. 4) \_\_\_\_\_
  - A) acceleration
  - B) braking
  - C) both A and B
  - D) neither A nor B
  
- 5) According to the text, what gas can disable the catalyst if it contaminates the PEM fuel cell? 5) \_\_\_\_\_
  - A) CO
  - B) CO<sub>2</sub>
  - C) NO<sub>x</sub>
  - D) N<sub>2</sub>O
  
- 6) Which type of fuel cell is the most likely to be used to power vehicles? 6) \_\_\_\_\_
  - A) PAFC
  - B) PEM
  - C) MCFC
  - D) SOFC
  
- 7) Which energy sources are currently being used to help reduce the use of fossil fuels? 7) \_\_\_\_\_
  - A) Hydrogen
  - B) Wind power
  - C) Hydroelectric power
  - D) Both B and C

- 8) A fuel cell produces electricity from \_\_\_\_\_ and \_\_\_\_\_. 8) \_\_\_\_\_  
A) gasoline; oxygen  
B) nitrogen; hydrogen  
C) hydrogen; oxygen  
D) water; oxygen
- 9) Hydrogen storage tanks are usually constructed from \_\_\_\_\_. 9) \_\_\_\_\_  
A) steel  
B) aluminum  
C) carbon fiber  
D) both B and C
- 10) Technician A says that a fuel cell stack consists of a number of fuel cells connected in parallel. 10) \_\_\_\_\_  
Technician B says that a fuel cell stack consists of a number of fuel cells connected in series.  
Which technician is correct?  
A) Technician A only  
B) Technician B only  
C) Both technicians  
D) Neither technician

## Answer Key

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1) B

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2) A

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3) A

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4) C

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5) A

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6) B

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7) D

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8) C

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9) D

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10) B

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