

Name _____

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

- 1) What are the by-products (emissions) from a fuel cell? 1) _____
 - A) Water
 - B) CO₂
 - C) CO
 - D) Nonmethane hydrocarbon

- 2) The transmission in a fuel cell vehicle is similar to a HEV transmission. 2) _____
 - A) True
 - B) False

- 3) What type of electrical current does a fuel cell generate? 3) _____
 - A) Direct current
 - B) Alternating current
 - C) Both A and B
 - D) Neither A nor B

- 4) The negative electrode in a fuel cell is called the _____. 4) _____
 - A) Anode
 - B) Cathode
 - C) Diode
 - D) None of these

- 5) Technician A says that a fuel cell stack consists of a number of fuel cells connected in parallel. 5) _____
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
 - B) Technician B
 - C) Both Technicians
 - D) Neither Technician

- 6) The chemical reaction in a fuel cell is called electrolysis. 6) _____
 - A) True
 - B) False

- 7) An ultra-capacitor is used to store _____. 7) _____
 - A) Hydrogen
 - B) Protons
 - C) Electrons
 - D) Air pressure

- 8) Which type of fuel cell is the most likely to be used to power vehicles? 8) _____
- A) PAFC
 - B) PEM
 - C) MCFC
 - D) SOFC
- 9) Which of the following is produced during the fuel cell energy production process? 9) _____
- A) Water
 - B) CO
 - C) CO₂
 - D) None of these
- 10) Hydrogen storage tanks are usually constructed from _____. 10) _____
- A) Steel
 - B) Aluminum
 - C) Carbon fiber
 - D) Both B and C

Answer Key

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1) A

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2) A

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3) A

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4) A

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5) B

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6) B

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7) C

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8) B

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9) A

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10) D

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