

Name _____

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

- 1) Technician A says that a fuel cell stack consists of a number of fuel cells connected in parallel. Technician B says that a fuel cell stack consists of a number of fuel cells connected in series. Which technician is correct? 1) _____
A) Technician A only
B) Technician B only
C) Both technicians
D) Neither technician
- 2) Technician A says that hydrogen is the fuel source for a fuel cell. Technician B says that hydrogen is an energy carrier for a fuel cell. Which technician is correct? 2) _____
A) Technician A only
B) Technician B only
C) Both technicians
D) Neither technician
- 3) Hydrogen storage tanks are usually constructed from _____. 3) _____
A) Steel
B) Aluminum
C) Carbon fiber
D) Both B and C
- 4) What type of electrical current does a fuel cell generate? 4) _____
A) Direct current
B) Alternating current
C) Both A and B
D) Neither A nor B
- 5) Technician A says that fuel cells are categorized according to the type of electrolyte used. Technician B says that all fuel cells operate most efficiently at 500°F. Which technician is correct? 5) _____
A) Technician A only
B) Technician B only
C) Both technicians
D) Neither technician
- 6) Which energy sources are currently being used to help reduce the use of fossil fuels? 6) _____
A) Hydrogen
B) Wind power
C) Hydroelectric power
D) Both B and C

- 7) An ultra-capacitor is used to store _____. 7) _____
- A) Hydrogen
 - B) Protons
 - C) Electrons
 - D) Air pressure
- 8) Which liquid fuel could be used to directly power a fuel cell? 8) _____
- A) Methanol
 - B) Ethanol
 - C) Biodiesel
 - D) Unleaded gasoline
- 9) Technician A says that fuel cell vehicles may use an electric storage device. Technician B says that fuel cell vehicles that use a storage device to help power the vehicle are called fuel cell hybrid vehicles. Which technician is correct? 9) _____
- A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician
- 10) Technician A says that fuel cells produce large amounts of heat. Technician B says that fuel cell energy production creates "low grade" heat. Which technician is correct? 10) _____
- 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) B

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3) D

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4) A

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5) A

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6) D

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7) C

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8) A

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9) C

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10) B

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