

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) CO₂
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) CO₂
C) NO_x
D) N₂O

- 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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