

Name _____

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

- 1) All of the following are characteristic of a hybrid electric vehicle (HEV) EXCEPT _____. 1) _____
 - A) High voltages (Safety issue)
 - B) Lower fuel economy
 - C) Lower amount of carbon dioxide released into the atmosphere
 - D) Quiet

- 2) Technician A says that a major limitation of electric vehicles is their short range. Technician B says that a major advantage of electric vehicles is their quiet operation. Which technician is correct? 2) _____
 - A) Technician A
 - B) Technician B
 - C) Both Technicians
 - D) Neither Technician

- 3) Hybrid vehicles can operate in the HOV lane on the interstate in California _____. 3) _____
 - A) Only with more than one occupant in the vehicle
 - B) Even if occupied by only the driver

- 4) In a series hybrid vehicle, the internal combustion engine powers the vehicle only when increased horsepower is needed. 4) _____
 - A) True
 - B) False

- 5) Technician A says that most hybrids use the series hybrid design. Technician B says that some hybrids have 42 volt batteries. Which technician is correct? 5) _____
 - A) Technician A
 - B) Technician B
 - C) Both Technicians
 - D) Neither Technician

- 6) Some HEVs can operate using the electric motor alone or with the assist of the internal combustion engine. 6) _____
 - A) True
 - B) False

- 7) What makes the BAS system attractive for buyers? 7) _____
 - A) Lowest cost of all the hybrid systems
 - B) Moderate increase in fuel economy versus conventional gasoline powered vehicles.
 - C) Both A and B
 - D) Neither A nor B

8) Which type of hybrid electric vehicle has idle stop operation? 8) _____
A) Strong hybrids only
B) Strong, mild, and medium hybrids
C) Mild hybrids only
D) Medium hybrids only

9) Which type of hybrid electric design costs the least? 9) _____
A) Strong hybrid design
B) Series hybrid design
C) Parallel hybrid design
D) BAS design

10) Which type hybrid uses 36 to 42 volts? 10) _____
A) Mild hybrid
B) Medium hybrid
C) Full hybrid
D) Strong hybrid

Answer Key

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1) B

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2) C

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3) B

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4) B

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5) D

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6) A

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7) C

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8) B

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9) D

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10) A

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