

Name _____

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

- 1) Which type of motor or engine produces more torque at lower speed? 1) _____
A) Electric
B) Gasoline

- 2) The abbreviation HEV stands for _____. 2) _____
A) Hybrid electric vehicle
B) High energy voltage
C) Heated electrolyte valve
D) None of these are correct

- 3) Which type of hybrid electric vehicle has idle stop operation? 3) _____
A) Strong hybrids only
B) Strong, mild, and medium hybrids
C) Mild hybrids only
D) Medium hybrids only

- 4) Technician A says that most hybrids require that they be plugged into an electrical outlet at night to provide the electrical power to help propel the vehicle. Technician B says that the internal combustion engine in an HEV will often stop running when the vehicle is stopped. Which technician is correct? 4) _____
A) Technician A
B) Technician B
C) Both Technicians
D) Neither Technician

- 5) Technician A says that a diesel hybrid is not possible. Technician B says that a diesel hybrid is possible but is not cost effective enough for production at this time. Which technician is correct? 5) _____
A) Technician A
B) Technician B
C) Both Technicians
D) Neither Technician

- 6) Which of these is NOT an advantage of a series hybrid design? 6) _____
A) Smaller internal combustion engine
B) A single-speed gearbox can be used
C) No transmission is necessary
D) All of these are advantages of the series hybrid design

- 7) About how fast does a motor-generator crank the internal combustion engine? 7) _____
A) About 1000 RPM
B) About 2000 RPM
C) About 150-300 RPM
D) About 350-600 RPM

- 8) All of the following are characteristic of a hybrid electric vehicle (HEV) EXCEPT _____. 8) _____
- A) High voltages (Safety issue)
 - B) Lower fuel economy
 - C) Lower amount of carbon dioxide released into the atmosphere
 - D) Quiet
- 9) 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? 9) _____
- A) Technician A
 - B) Technician B
 - C) Both Technicians
 - D) Neither Technician
- 10) Hybrid vehicles can operate in the HOV lane on the interstate in California _____. 10) _____
- A) Only with more than one occupant in the vehicle
 - B) Even if occupied by only the driver

Answer Key

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1) A

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2) A

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3) B

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4) B

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5) B

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6) D

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7) A

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8) B

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9) D

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10) B

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