

Name _____

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

- 1) The GM two-mode hybrid uses mode two under what conditions? 1) _____
 - A) Stop-and-go traffic
 - B) Highway speeds
 - C) Idle-stop
 - D) None of these

- 2) The General Motors mild (assist) hybrid system uses what type of motor/generator? 2) _____
 - A) Induction type motor located between the engine and the transmission
 - B) A belt operated motor/generator
 - C) A motor/generator located inside the transmission/transaxle
 - D) A conventional but larger than normal alternator and starter

- 3) The GM two-mode HV disconnect plug is located _____. 3) _____
 - A) Under the hood
 - B) In the driver side fuse box
 - C) On the passenger side of the battery pack
 - D) In the cover of the back seat

- 4) The two-mode hybrid system used by GM uses a _____ volt battery pack. 4) _____
 - A) 300
 - B) 144
 - C) 650
 - D) 42

- 5) The Chevy VOLT HV battery coolant is pressurized to _____ PSI. 5) _____
 - A) 5
 - B) 20
 - C) 15
 - D) 8

- 6) The batteries used in the two-mode hybrid vehicles are _____. 6) _____
 - A) 300-volt NiMH
 - B) Three 12-volt valve regulated lead-acid
 - C) 36-volt NiMH
 - D) 144-volt D-cell size NiMH

- 7) Technician A says that the hybrid Silverado/Sierra do not use conventional starters or alternators. Technician B says that these units were replaced with a three phase AC electric motor to do the job of both. Which technician is correct? 7) _____
 - A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician

- 8) The GM two-mode DMCM cooling system uses _____ as a coolant. 8) _____
- A) Liquid crystals
 - B) Pre-mixed Dex-Cool
 - C) Pure water
 - D) Silicone fluid
- 9) Technician A says that the Silverado/Sierra trucks are classified as full hybrid vehicles. 9) _____
Technician B says that the electric motor in these vehicles is capable of propelling the vehicle from low speeds without assistance from the ICE. Which technician is correct?
- A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician
- 10) The engine in the VOLT will start when the HV battery reaches a charge level of _____. 10) _____
- A) 80%
 - B) 30%
 - C) 100%
 - D) 0%

Answer Key

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1) B

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2) B

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3) C

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4) A

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5) A

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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) B

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