

Name _____

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

- 1) A hybrid electric vehicle has a feature that could allow the engine to start and run without warning. This feature is called _____. 1) _____
 - A) idle stop
 - B) false off
 - C) battery save
 - D) self-start

- 2) A technician is preparing to do an oil change on a hybrid vehicle. What special precaution needs to be taken BEFORE performing this service? 2) _____
 - A) Make sure the ignition is "OFF" and the key is removed from the ignition switch.
 - B) Leave the hood closed when draining the oil.
 - C) Do not lift the vehicle more than 12 inches off the floor.
 - D) Disconnect any orange colored wiring harnesses.

- 3) A defective thermostat can cause the powertrain control module (PCM) to set what diagnostic trouble code (DTC)? 3) _____
 - A) P0171
 - B) P0172
 - C) P0128
 - D) P0300

- 4) An intake manifold gasket has been replaced due to a vacuum leak. Which of the following steps uses a scan tool to complete the job? 4) _____
 - A) Idle relearn
 - B) Refilling the cooling system
 - C) Torquing the manifold bolts
 - D) Air cleaner check

- 5) Coolant leaking from an intake manifold can evaporate fast enough to leave no trace of a leak. 5) _____
 - A) True
 - B) False

- 6) Which of the following is NOT a function of engine mounts? 6) _____
 - A) Support the weight of the engine.
 - B) Support the torque of the powertrain.
 - C) Transfer engine vibrations into the body of the vehicle.
 - D) Isolate engine noise from the frame of the vehicle.

- 7) Hybrid electric vehicles usually require special engine oil of what viscosity? 7) _____
 - A) SAE 5W-30
 - B) SAE 10W-30
 - C) SAE 0W-20
 - D) SAE 5W-40

- 8) A water pump can fail to provide the proper amount of coolant flow through the cooling system if what has happened? 8) _____
- A) The coolant is leaking from the weep hole.
 - B) The bearing is noisy.
 - C) The impeller blades are worn or slipping on the shaft.
 - D) A bearing failure has caused the shaft to become loose.
- 9) A vehicle has set DTC P0172, indicating a lean exhaust and a vacuum leak is suspected. This can be diagnosed by introducing _____ around the intake manifold gasket. 9) _____
- A) shop air
 - B) propane
 - C) rock salt
 - D) sprayed gasoline
- 10) Technician A says to use lineman's gloves when servicing the high voltage system on hybrid electric vehicles. Technician B says that hybrid vehicles have a plug to disable the high voltage system before service. Which technician is correct? 10) _____
- A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician