Name_____

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

1) How many high voltage cables supply electrical power to the HV components at the front of the vehicle?	1)
A) Two or three on some vehicles	
B) Six on some vehicles	
C) Four on some vehicles	
D) None of these	
2) One way to be sure that the high voltage system is turned off is to turn off the ignition and leave	2)
the key in the vehicle.	
A) True	
B) False	
3) A HEV has been involved in an accident and the driver is unconscious. The paramedics consult	3)
a technician for safety tips to extract the driver without electrocution. Technician A says that as	
long as the engine is not running there is no danger of electrical shock. Technician B says that if	
the ignition switch is in the off position, the high energy relays are not energized. Which	
technician is correct?	
A) Technician A only	
B) Technician B only	
C) Both technicians	
D) Neither technician	
4) If a HEV is submerged what causes the high voltage relays to turn off?	4)
A) A dissolved safety pellet	
B) The ground fault circuit detects a connection between the HV battery and the vehicle body (ground)	
C) The relays only turn off when the key is removed	
D) None of these	
5) What is the pH of the electrolyte of a hybrid electric vehicle's NiMH battery?	5)
A) 13.5	·
B) 2.5	
C) 7.0	
D) 14.7	
6) Orange cables connect the high voltage battery to the HEV electrical motors. High voltage may	6)
also be connected to	·
A) The air bags	
B) The AC compressor	
C) The bumper sensors	

 7) If the electrolyte from a high voltage battery is spilled, what should be used to neutralize it? A) Baking soda B) Vinegar of boric acid C) Water D) CO2 	7)
 8) A hybrid electric vehicle is submerged under water. A rescue squad member consults automotive technicians for information regarding safety precautions. Technician A says that there is no danger of electrical shock from touching the body of the vehicle or the frame in or out of the water. Technician B says that the vehicle will detect a ground fault and open the HV relays. Which technician is correct? A) Technician A only B) Technician B only C) Both technicians D) Neither technician 	8)
 9) Which is true of high voltage battery electrolyte? A) It is flammable B) It is explosive C) It creates noxious fumes D) None of these is correct 	9)
 10) The high voltage circuits are controlled by, that are in turn controlled by the ignition switch. A) Main relays 	10)

- B) Knife switches
- C) Vacuum switching relays D) Solenoids

Answer Key Testname: HYBRID4_20B

1) A Page Ref: 321 2) B Page Ref: 324 3) B Page Ref: 324 4) B Page Ref: 327 5) A Page Ref: 327 6) B Page Ref: 321 7) B Page Ref: 327 8) C Page Ref: 327 9) D Page Ref: 322 10) A Page Ref: 327