

Name(s): \_\_\_\_\_  
\_\_\_\_\_

Date: \_\_\_\_\_

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**HEV (Toyota Prius) System Overview**

1. Locate the IC engine. \_\_\_\_\_  
\_\_\_\_\_
2. Where are MG1 and MG2 located? \_\_\_\_\_
3. Locate the inverter. \_\_\_\_\_
4. Summarize the warning label information on the inverter.  
\_\_\_\_\_  
\_\_\_\_\_
5. What distinguishes high voltage cables from conventional vehicle wiring?  
\_\_\_\_\_  
\_\_\_\_\_
6. Which components are connected by HV wiring?  
\_\_\_\_\_  
\_\_\_\_\_
7. Does this vehicle have a coolant heat storage tank? \_\_\_\_\_ If so, where is it located?  
\_\_\_\_\_  
\_\_\_\_\_
8. What type of ATF lubricant is required in the hybrid transaxle?  
\_\_\_\_\_
9. Locate the inverter coolant fill and bleed ports.  
\_\_\_\_\_  
\_\_\_\_\_
10. Locate the route for high voltage wiring under the vehicle. Is there an area where HV cables are hidden from view? \_\_\_\_\_  
What danger does this pose to rescue/ first responder workers in a crash incident?  
\_\_\_\_\_  
\_\_\_\_\_
11. Locate the transaxle filler plug and drain.  
\_\_\_\_\_  
\_\_\_\_\_
12. Where is the drain plug for the inverter coolant?  
\_\_\_\_\_  
\_\_\_\_\_
13. Locate the engine coolant radiator drain plug.  
\_\_\_\_\_
14. Where is the air intake for the HV battery cooling system located?  
\_\_\_\_\_  
\_\_\_\_\_

15. Name at least four screens that can be accessed through the multi-display in the center of the dash.

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16. What information is displayed on the fuel consumption screen?

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17. What is the purpose of entering Inspection Mode on a hybrid?

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18. How do you enter Inspection Mode?

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19. Is it OK to drive the vehicle while in Inspection Mode?

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20. How do you exit Inspection Mode?

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21. T or F When the vehicle is in READY Mode, the engine can start at any time to charge the HV battery if needed.

22. When first starting out from a stop, the engine is not needed to power the car. What hybrid component drives the vehicle?

23. What hybrid component acts as the starter to crank the engine? \_\_\_\_\_

24. For maximum acceleration what two components are providing engine torque and electric drive power?

25. On the 2009 Toyota Prius, what switch is pressed while your foot is on the brake pedal to put the vehicle in READY Mode? \_\_\_\_\_