

Automotive Technology 7th Edition
Chapter 85: Strategy-Based Diagnosis
Short Answer Quiz

Name:

Date:

1. Describe the diagnostic process visualized as a funnel according to the document.
2. Explain the significance of comparing the Engine Coolant Temperature (ECT) and Intake Air Temperature (IAT) after the vehicle has been sitting for several hours.
3. What is the role of the oxygen sensor data in the PCM's fuel delivery adjustments, and what is fuel trim?
4. Discuss the importance of performing a cylinder power balance test during the diagnostic process.
5. Explain why a technician should be cautious about the condition of new parts during a visual inspection.

Automotive Technology 7th Edition
Chapter 85: Strategy-Based Diagnosis
Short Answer Quiz

Name:

Date:

6. What are the steps involved in a thorough visual inspection according to the document?

7. Describe the procedure to follow when diagnosing a vehicle with stored DTCs using a scan tool.

8. Discuss what the PCM does during a drive cycle to test emissions-related components.

9. Explain why a bulletin search should be performed after stored DTCs are retrieved.

10. What should be checked regarding the oil level and condition during a visual inspection, and what do certain findings indicate?