

Automotive Technology 7<sup>th</sup> Edition  
Chapter 85: Strategy-Based Diagnosis  
Short Answer Quiz

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

1. Describe the diagnostic process visualized as a funnel according to the document.

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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.

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3. What is the role of the oxygen sensor data in the PCM's fuel delivery adjustments, and what is fuel trim?

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4. Discuss the importance of performing a cylinder power balance test during the diagnostic process.

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5. Explain why a technician should be cautious about the condition of new parts during a visual inspection.

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Name: \_\_\_\_\_

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

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

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

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

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

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

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