

Automotive Technology 7<sup>th</sup> Edition  
Chapter 23: Engine Condition Diagnosis  
Short Answer Quiz

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

1. What are the primary learning objectives of this chapter on "Engine Condition Diagnosis"?

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2. Explain the significance of understanding the driver's description when diagnosing engine-related issues.

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3. Differentiate between a wet compression test and a running compression test. Why would you perform one over the other?

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4. Describe the cylinder leakage test and its importance in engine diagnostics.

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5. What is "back pressure" in the context of engine diagnosis, and why is it essential to monitor?

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6. Discuss the primary indicators that suggest the possibility of head gasket failure in an engine.

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7. What is the role of the positive crankcase ventilation (PCV) system in managing blow-by gases?

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8. Elaborate on the key differences between a relative compression test and a dynamic compression test.

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9. Explain how a vacuum test can be instrumental in diagnosing engine conditions. What are the typical readings one should expect?

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10. What are the common engine mechanical-related complaints that technicians should be aware of when diagnosing driveability problems?

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