

Automotive Technology 7th 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"?
2. Explain the significance of understanding the driver's description when diagnosing engine-related issues.
3. Differentiate between a wet compression test and a running compression test. Why would you perform one over the other?
4. Describe the cylinder leakage test and its importance in engine diagnostics.
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.

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

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

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

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