

Automotive Technology 7th Edition
Chapter 30: Pistons, Rings, and Connecting Rods
Short Answer Quiz

Name:

Date:

1. Explain the primary function and significance of pistons in an engine.
2. Describe the typical construction and materials used for pistons.
3. How does a piston pin, also known as a wrist pin, facilitate the movement of the piston in relation to the connecting rod?
4. What is the role of the crankshaft in converting the motion of the pistons?
5. Discuss the various methods used for retaining piston pins and their significance.

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6. What are the primary types of piston rings, and what are their individual functions?

7. Describe the term "cam ground" in the context of pistons and its importance.

8. How does the construction and design of a connecting rod influence the engine's performance?

9. Explain the concept of "back clearance" and its relevance to piston rings.

10. Discuss the significance of "heat dams" in piston construction and their impact on engine performance.