

Automotive Technology 7th Edition
Chapter 15: Gasoline Engine Operation, Parts, and Specifications
Matching Quiz

Name: _____ Date: _____

Matching: Choose the item in column 2 that best matches each item in column 1.

- | | | |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| 1. Combustion | A. The diameter of the engine cylinder. | 1. _____ |
| 2. Four-stroke cycle engine | B. Connects the piston to the crankshaft. | 2. _____ |
| 3. Crankshaft | C. An engine that requires four piston strokes (intake, compression, power, exhaust) to complete one full cycle of operation. | 3. _____ |
| 4. Connecting rod | D. A cylindrical component that moves up and down in the cylinder, converting pressure into mechanical force. | 4. _____ |
| 5. Cylinder head | E. The lowest point of the piston's travel in the cylinder. | 5. _____ |
| 6. Piston | F. The rapid burning of the fuel at a controlled rate, creating heat and pressure to move the piston. | 6. _____ |
| 7. Top Dead Center (TDC) | G. Forms the top of the combustion chamber and houses the valves and often the camshaft(s). | 7. _____ |
| 8. Bottom Dead Center (BDC) | H. The highest point of the piston's travel in the cylinder. | 8. _____ |
| 9. Bore | I. The distance the piston travels from Top Dead Center (TDC) to Bottom Dead Center (BDC). | 9. _____ |
| 10. Stroke | J. The engine component that converts the reciprocating (up and down) motion of the pistons into rotating (circular) motion; it determines the stroke of the engine. | 10. _____ |

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Answer Key

Answer Key:

1. F
2. C
3. J
4. B
5. G
6. D
7. H
8. E
9. A
10. I