

**Automotive Technology 7<sup>th</sup> Edition**  
**Chapter 30: Pistons, Rings, and Connecting Rods**  
**Matching Quiz**

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

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

- |   |   |           |
|---|---|-----------|
| 1. Hypereutectic Pistons                      | A. Retained by lock rings   | 1. _____  |
| 2. Full-Floating Piston Pins                  | B. Measured between the piston ring and the piston ring groove          | 2. _____  |
| 3. Back Clearance                             | C. Causes diagonal wear on the piston skirt                             | 3. _____  |
| 4. Casting Steel Struts into Aluminum Pistons | D. Needs to be heated to install the piston pin                         | 4. _____  |
| 5. Side Clearance                             | E. Maximum recommended for cylinder taper should be less than 0.006 in. | 5. _____  |
| 6. Misaligned Connecting Rod                  | F. The space behind the ring  | 6. _____  |
| 7. Interference Fit Connecting Rod            | G. Contain a higher silicon content than conventional aluminum pistons  | 7. _____  |
| 8. Piston Ring Gap                            | H. Provides increased strength and controls thermal expansion           | 8. _____  |
| 9. Piston Skirt Diameter Measurement          | I. Should only be measured after all cylinder work has been performed   | 9. _____  |
| 10. Cylinder Taper                            | J. Measured at 90 degrees to the piston pin                             | 10. _____ |

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**Answer Key**

**Answer Key:**

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