

**Automotive Technology 7<sup>th</sup> Edition**  
**Chapter 28: Camshafts and Valve Trains**  
**Matching Quiz**

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

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

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

- |                            |  |           |
|----------------------------|--|-----------|
| 1. Camshaft                | A. Components that transfer camshaft lobe motion to the valves   | 1. _____  |
| 2. Overhead Camshaft (OHC) | B. Chain type also called a "silent chain"   | 2. _____  |
| 3. Hydraulic Valve Lifters | C. The maximum total indicator runout (TIR) should be less than 0.002 in.                                      | 3. _____  |
| 4. Valve Train Noise       | D. A camshaft drive that uses gears, a chain, or a belt  | 4. _____  |
| 5. Lobe Lift               | E. A camshaft located above the cylinder head  | 5. _____  |
| 6. Camshaft Drive          | F. Can be caused by valve lash too loose, dirty/stuck/worn lifters, or broken/weak valve springs               | 6. _____  |
| 7. Pushrods                | G. The distance the valve is lifted off its seat   | 7. _____  |
| 8. Morse Type Chain        | H. Can make a ticking noise when the engine is running if valve lash is too loose                              | 8. _____  |
| 9. Camshaft Runout         | I. Hollow components that transfer motion from the lifter to the rocker arm                                    | 9. _____  |
| 10. Freewheeling Engine    | J. An engine design where the valves and pistons will not contact each other even if the camshaft drive breaks | 10. _____ |

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**Answer Key**

**Answer Key:**

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