

**Automotive Technology 7<sup>th</sup> Edition**  
**Chapter 125: Drive Axles and Differentials**  
**Matching Quiz**

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

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

- |                              |   |           |
|------------------------------|---|-----------|
| 1. Drive Axle                | A. The portion of a ring gear tooth closest to the outside circumference.       | 1. _____  |
| 2. Hypoid Gear Set           | B. How deeply the pinion gear meshes into the ring gear.                        | 2. _____  |
| 3. Axle Ratio                | C. The number of ring gear teeth divided by the number of pinion gear teeth.    | 3. _____  |
| 4. Hunting Gear Set          | D. Gear sets with final drive ratios that are a whole number.                   | 4. _____  |
| 5. Nonhunting Gear Set       | E. An assembly that transfers power from the drive shaft to the drive wheels.   | 5. _____  |
| 6. Limited-Slip Differential | F. A differential that directs more power to the non-spinning wheel.            | 6. _____  |
| 7. Backlash                  | G. The clearance between the drive pinion and the ring gear.                    | 7. _____  |
| 8. Pinion Depth              | H. A gear set where the pinion meshes below the ring gear's centerline.         | 8. _____  |
| 9. Heel                      | I. The portion of a ring gear tooth closest to the ring gear center.            | 9. _____  |
| 10. Toe                      | J. Gear sets with final drive ratios that cannot be reduced to any lower terms. | 10. _____ |

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**Answer Key**

**Answer Key:**

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