

Automotive Technology 7th Edition
Chapter 113: Rear Suspension and Service
Matching Quiz

Name: _____ Date: _____

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

- | | | |
|----------------------|---|-----------|
| 1. Solid Axle | A. A rear suspension system that uses a MacPherson-type strut, often named after designer Colin Chapman. | 1. _____ |
| 2. Live Axle | B. A condition where the vehicle travels at a sideways angle while moving straight. | 2. _____ |
| 3. Hotchkiss Drive | C. This component pivots at an angle to the vehicle centerline to control both side-to-side and front-to-rear motion. | 3. _____ |
| 4. Axle Windup | D. A center pivot and linkage arrangement used to locate the rear axle. | 4. _____ |
| 5. Track Rod | E. These suspension components should always be replaced in pairs. | 5. _____ |
| 6. Semi-trailing Arm | F. Also called a Panhard rod, it is used to keep the rear axle centered under the vehicle. | 6. _____ |
| 7. Watts Linkage | G. The reaction force that causes the axle housing to rotate in the opposite direction of the wheels during acceleration. | 7. _____ |
| 8. Chapman Strut | H. Disadvantages of this component include increased unsprung weight and side-to-side road shock transference. | 8. _____ |
| 9. Dog Tracking | I. An axle to which engine torque is applied to drive the vehicle. | 9. _____ |
| 10. Leaf Springs | J. A system using leaf springs that control drivetrain forces on a solid rear axle | 10. _____ |

Automotive Technology 7th Edition
Chapter 113: Rear Suspension and Service
Matching Quiz
Answer Key

Answer Key:

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