Automotive Technology 7th Edition
Chapter 111: Suspension System Components and Operation
Matching Quiz

Name: _____ Date: _____

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

1. Ladder Frame	A. Ball-and-socket joints that allow wheels to move up, down, and side-to-side.	1. _____
2. Unit-body Construction	B. A long, hardened steel bar that acts as a spring by twisting.	2. _____
3. Independent Suspension	C. A sturdy shock absorber that is also a structural part of the suspension.	3. _____
4. Hooke's Law	D. A system that allows one wheel to move without affecting the opposite wheel.	4. _____
5. Spring Rate	E. A frame where transverse members are straight across, resembling a ladder.	5. _____
6. Torsion Bar	F. A value that reflects the weight needed to compress a spring a certain amount.	6. _____
7. Ball Joints	G. A design that combines the vehicle's body and frame into one structure.	7. _____
8. Stabilizer Bar	H. A component used to prevent excessive body roll during cornering.	8. _____
9. Shock Absorbers	I. Describes the principle that a spring's deflection is proportional to the applied force.	9. _____
10. MacPherson Strut	J. Components that dampen and control the motion of a vehicle's springs.	10. ____

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Answer Key

Answer Key:

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