

Automotive Technology 7th Edition
Chapter 48: 12-Volt Battery Testing and Service
Matching Quiz

Name: _____ Date: _____

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

- | | | |
|------------------------------|---|-----------|
| 1. Open Circuit Voltage | A. The voltage of the power source with the circuit in operation. | 1. _____ |
| 2. Dynamic Voltage | B. A higher-than-normal voltage on the surface of the battery plates that must be removed before testing. | 2. _____ |
| 3. Hydrometer | C. The process of informing the Powertrain Control Module (PCM) that a new battery has been installed. | 3. _____ |
| 4. Load Test | D. A tester that measures the specific gravity of the electrolyte. | 4. _____ |
| 5. Conductance Test | E. Determines if a component is causing a drain on the battery when everything is off. | 5. _____ |
| 6. Parasitic Load Test | F. The voltage that exists without a load being applied. | 6. _____ |
| 7. Surface Charge | G. A charger that only turns on when the battery has self-discharged below a certain level. | 7. _____ |
| 8. Float-Type Charger | H. A test used to check if a battery is sulfated. | 8. _____ |
| 9. Battery Registration | I. A test where an electrical load equal to half of the CCA rating is applied for 15 seconds. | 9. _____ |
| 10. Three-Minute Charge Test | J. A test that measures how well a battery can create current by sending a small signal through it. | 10. _____ |

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Answer Key

Answer Key:

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