

**Automotive Technology 7<sup>th</sup> Edition**  
**Chapter 51: Charging System Parts and Operation**  
**Matching Quiz**

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

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

- |  |   |           |
|--|---|-----------|
| 1. Purpose of the Charging System      | A. The computer can monitor and control its operation.                                | 1. _____  |
| 2. Principle of Alternator Operation   | B. Less than 3 amperes.   | 2. _____  |
| 3. Alternator Stator                   | C. Creates a rotating magnetic field.   | 3. _____  |
| 4. Alternator Rotor                    | D. To keep the battery fully charged.   | 4. _____  |
| 5. Diodes                              | E. Uses a one-way clutch to reduce vibration and noise.                               | 5. _____  |
| 6. Increasing Alternator Output        | F. Produces the alternator output current.  | 6. _____  |
| 7. Alternator Brush Current            | G. By increasing speed of rotation or current in the rotor.                           | 7. _____  |
| 8. Overrunning Alternator Pulley (OAP) | H. External fan, internal fan, or coolant.  | 8. _____  |
| 9. Alternator Cooling Methods          | I. Generation of electric current in a conductor when moved through a magnetic field. | 9. _____  |
| 10. Computer-Controlled Alternator     | J. Converts AC to DC.   | 10. _____ |

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**Answer Key**

**Answer Key:**

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