

**Chapter 11**

NAME \_\_\_\_\_

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

- |                                      |                                    |           |
|--------------------------------------|------------------------------------|-----------|
| 1. EV motor type                     | A. Inverter                        | 1. _____  |
| 2. Controls motor speed              | B. DC motor                        | 2. _____  |
| 3. Changes DC to AC voltage          | C. Converter                       | 3. _____  |
| 4. Type of brushless motor           | D. Applied current frequency       | 4. _____  |
| 5. Changes motor output power        | E. Resolver                        | 5. _____  |
| 6. Inverter replacement pre-check    | F. Stator                          | 6. _____  |
| 7. Increases magnetic field strength | G. Increased current               | 7. _____  |
| 8. Electric motor non-moving part    | H. RPM counter                     | 8. _____  |
| 9. Changes DC voltage up or down     | I. AC induction                    | 9. _____  |
| 10. Senses rotor position            | J. Check for failed stator winding | 10. _____ |
| 11. Uses carbon brushes              | K. Pulse-width and voltage         | 11. _____ |
| 12. Electric motor moving part       | L. AC synchronous                  | 12. _____ |
|                                      | M. Rotor                           |           |

## Answer Key

Testname: EV1MATCH11

1. L  
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2. D  
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3. A  
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4. I  
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5. K  
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6. J  
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7. G  
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8. F  
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9. C  
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10. E  
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11. B  
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12. M  
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