

Matching Quiz

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

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

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

- |                                 |   |           |
|---------------------------------|---|-----------|
| 1. Scientific method            | A. The energy of motion.  | 1. _____  |
| 2. Energy                       | B. The ability to do work.  | 2. _____  |
| 3. Kinetic energy               | C. The rate at which an engine can do work.   | 3. _____  |
| 4. Potential energy             | D. A logical way to solve problems.   | 4. _____  |
| 5. Work                         | E. A temperature scale where 0 degrees is the freezing point of water and 100 degrees is the boiling point.   | 5. _____  |
| 6. Power                        | F. The transfer of heat directly from molecule to molecule.   | 6. _____  |
| 7. Horsepower (hp)              | G. States that an object at rest tends to remain at rest, and an object in motion tends to remain in motion with the same speed and in the same direction unless acted on by an unbalanced force. | 7. _____  |
| 8. Newton's first law of motion | H. Achieved when a force moves an object.   | 8. _____  |
| 9. Conduction                   | I. Stored energy.   | 9. _____  |
| 10. Celsius scale               | J. The rate at which work is done.  | 10. _____ |

**Automotive Technology 7<sup>th</sup> Edition**  
**Chapter 12: Scientific Principles and Materials Matching Quiz**  
**Matching Quiz**  
**Answer Key**

1. D

2. B

3. A

4. I

5. H

6. J

7. C

8. G

9. F

10. E