

Automotive Technology 7th Edition
Chapter 70: Computer Fundamentals
Matching Quiz

Name: _____

Date: _____

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

- | | | |
|-------------------------------------|--|-----------|
| 1. Powertrain Control Module (PCM) | A. The place where program instructions and data are stored in electronic memory. | 1. _____ |
| 2. Input Function | B. The process where input voltage signals are handled through electronic logic circuits. | 2. _____ |
| 3. Input Conditioning | C. The computer component responsible for performing essential mathematical operations and logic decisions. | 3. _____ |
| 4. Analog-to-Digital (AD) converter | D. The computer's action of sending voltage signals or commands to other devices in the system. | 4. _____ |
| 5. Processing | E. A signal received by the computer from an input device, such as a sensor or button. | 5. _____ |
| 6. Storage | F. A type of memory that is permanent; the computer can only read its contents and cannot change the data. | 6. _____ |
| 7. Read-Only Memory (ROM) | G. A process that amplifies voltage signals that are too small for the computer's circuitry. | 7. _____ |
| 8. Random-Access Memory (RAM) | H. The standardized name for the onboard automotive computer that coordinates engine and transmission operation. | 8. _____ |
| 9. Central Processing Unit (CPU) | I. A circuit that changes analog input signals into digital bits for the computer's calculations. | 9. _____ |
| 10. Output Function | J. A type of temporary memory where the computer can write or store new data as well as read existing data. | 10. _____ |

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Answer Key

Answer Key:

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