

Name _____

SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question.

1) What is the difference between volatile and nonvolatile RAM?

2) How does using pulse-width modulation control devices?

3) What are four input sensors?

4) What part of the vehicle computer is considered to be the brain?

5) What are four output devices?

Answer Key

Testname: AEEP8_SHORT13

1) Volatile RAM means that the data is erased whenever the power is removed from the computer, whereas non-volatile RAM means that the data is retained when power is removed.

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2) Pulse-width modulation (PWM) is a method of controlling an output using a digital signal. Instead of just turning devices on or off, the computer can control the amount of on-time.

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3) Input sensors include: engine speed (RPM), MAP, MAF, ECT, O2S, TP, and vehicle speed.

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4) The CPU is the “brain” of the computer.

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5) Output devices include: fuel injection, ignition timing, transmission shifting, idle speed control, and evaporative emission control solenoids.

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