

Name \_\_\_\_\_

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

1) What are four output devices?

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

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

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

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5) What are four input sensors?

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## Answer Key

Testname: ENGINEPERF5\_SHORT18

- 1) Output devices include: fuel injection, ignition timing, transmission shifting, idle speed control, and evaporative emission control solenoids.  
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- 2) 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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- 3) 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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- 4) The CPU is the “brain” of the computer.  
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- 5) Input sensors include: engine speed (RPM), MAP, MAF, ECT, O2S, TP, and vehicle speed.  
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