

Name _____

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

1) Why is a gateway module used?

2) Why is a communication network used?

3) What are U codes?

4) Why are the two wires twisted if used for network communications?

5) What is the purpose of the terminating resistors?

Answer Key

Testname: AEE6_SHORT17

- 1) A gateway module is responsible for communicating with other modules and acts as the main communication module for scan tool data.
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- 2) A communication network is used to reduce the number of wires and circuits needed in a vehicle by allowing common sensor data to be shared by all modules that need the information.
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- 3) U codes were at first undefined, but are now used to represent network communication-related diagnostic trouble codes (DTCs).
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- 4) Two wires are twisted to reduce electromagnetic interference (EMI).
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- 5) Terminating resistors are used to help reduce interference into other systems in the vehicle. Usually two 120-ohm resistors are installed at each end and are, therefore, connected electrically in parallel. Two 120 ohm resistors connected in parallel measure 60 ohms if tested using an ohmmeter.
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