

Name _____

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

1) What can affect the reception of a satellite radio signal?

2) What two items may need to be added to the wiring of a vehicle to control or reduce radio noise?

3) Why do AM signals travel farther than FM signals?

4) How do you match the impedance of speakers?

5) What are the purpose and function of the ground plane?

Answer Key

Testname: AEE6_SHORT30

1) Reception from satellites can be affected by tall buildings and mountains.

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2) A capacitor can be added to the power input to the radio and a braided ground strap can be added to the ground to help reduce radio noise.

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3) AM signals travel longer distances than FM signals because they bounce off the upper atmosphere. FM waves do not reflect back to earth like AM waves.

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4) The impedance is matched by applying Ohms law and arranging the speakers in series or parallel to achieve the proper impedance.

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5) The ground plane represents one-half of the length of the antenna.

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