

Name _____

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

1) What are the advantages of LED lights?

2) What are the conditions needed for an auto dimming headlight system to work?

3) Why should the exact same trade number of bulb should be used as a replacement?

4) Why is it important to avoid touching a halogen bulb with your fingers?

5) Why are lights controlled by the BCM in many vehicles?

Answer Key

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1) The advantages of LED headlights compared to other types include:

- Long service life
- Reduced electrical power required

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2) For the automatic operation to turn on the high beams, the following conditions are usually required:

- Vehicle speed above 20 MPH
- Dark conditions with few streetlights
- There are no approaching vehicles with the headlights on
- There are no taillights from the vehicle in front

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3) The same trade number bulb should be used as a replacement because this assures that the correct voltage and wattage bulb is used.

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4) A halogen bulb contains a high-pressure gas, and oils from the hands can affect the expansion of the glass, which can shorten the life of the bulb.

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5) • It simplifies the manufacturing and troubleshooting aspects of electronic modules.
• It coordinates the operating functions of many related items, as well as security features.

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