

Name _____

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

1) What do the colors of the dash symbols mean?

2) Night vision is used to detect what type of objects?

3) How does a stepper motor analog dash gauge work?

4) How does a navigation system determine the location of the vehicle?

5) Parking-assist systems use what type of sensor?

Answer Key

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1) Green or white symbols are used to notify the driver that certain functions are working, such as the headlights are on, or the turn signals have been activated. Amber-colored symbols mean that a fault or an issue has occurred that may require attention soon. Red symbols mean that a serious fault has been detected and that immediate attention is required.

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2) The camera creates pictures based on the heat energy emitted by objects, rather than from light reflected on an object, as in a normal optical camera.

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3) The needle of the analog display is moved using a stepper motor, which is controlled by the electronics in the instrument panel.

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4) A navigation system uses satellites in orbit around the earth to provide signals for navigation devices.

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5) The ultrasonic proximity detectors are used to measure the distances to nearby objects. Electromagnetic parking sensors (EPS) detect when a vehicle is moving slowly and towards an object.

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