

Name _____

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

1) What is inertia?

2) What is the meaning of the friction code letter printed on the edge of brake linings and pads?

3) What is meant by the coefficient of friction?

4) What is kinetic energy?

5) Why is copper being removed from brake friction material?

Answer Key

Testname: CHASSIS8_SHORT5

1) Inertia is defined by Isaac Newton's first law of motion, which states that a body at rest tends to remain at rest, and a body in motion tends to remain in motion in a straight line unless acted upon by an outside force.

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2) After January 1, 2014, all brake shoes and pads were required to have manufacturer's edge codes which indicate all of the following:

- Company code
- Pad number
- Formulation code
- Vendor number
- Friction code
- Week number that the brakes were made
- Environmental code (A, B, or N)
- Year of manufacture

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3) The amount of friction between two objects or surfaces is commonly expressed as a value called the coefficient of friction and is represented by the Greek letter mu (μ), pronounced "mYOO.

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4) Kinetic energy is the energy of a mass in motion.

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5) Copper is a pollutant because:

- It is toxic to certain sensitive species of algae (phytoplankton) that form the base of the aquatic food chain.
- Copper also directly damages the sensory capabilities of salmon, making it difficult for them to avoid predators or find their way back to their spawning grounds.

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