

Name _____

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

1) What are some of the heavy metals that can be present in used coolant?

2) Why is a 50/50 mixture of antifreeze and water commonly used as a coolant?

3) What is the difference between galvanic activity and electrolysis?

4) What are the differences among IAT, OAT, HOAT and PHOAT coolants?

5) What types of coolant are used in vehicles?

Answer Key

Testname: AHAC8_SHORT7

- 1) Used coolant may contain aluminum, lead and iron which are absorbed into the coolant during engine operation.
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- 2) A 50/50 mixture provides the best combination of freezing protection and heat transfer ability of the coolant.
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- 3) Galvanic activity is voltage production without an outside source of voltage, whereas electrolysis is created when the vehicle has a poor ground connection.
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- 4) IAT contains silicate and phosphates and is used in vehicles older than 1996. OAT, HOAT, and PHOAT are used in many vehicles and include their own additive package.
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- 5) All factory installed coolant is ethylene-glycol based and currently includes: OAT, HOAT, and PHOAT formulations.
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