

Name _____

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

1) What type of coolant is sold as “universal” coolant?

2) Explain why internal engine leakage affects oil pressure.

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

4) What are the last components to receive oil from the oil pump?

Answer Key

Testname: INTRO_SHORT16

- 1) Hybrid organic acid technology (HOAT) is the type of coolant that is often sold as a universal coolant.
Page Ref: 157
- 2) Oil clearance between main and rod bearings represents a limited amount of leakage that the oil pump is normally able to handle and still maintain oil pressure. If the clearance is increased due to worn bearings, the capacity of the oil pump cannot keep up and the oil pressure drops.
Page Ref: 152
- 3) A 50/50 mixture provides the best combination of freezing protection and heat transfer ability of the coolant.
Page Ref: 188
- 4) The valve train components are the last place that receives oil in the lubrication system.
Page Ref: 154