

Name _____

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

1) What does Pascal's law state?

2) Where is the valve body located?

3) How does a variable displacement pump work?

4) What types of teflon sealing rings might be used in an automatic transmission?

5) What is meant by mechatronic unit?

Answer Key

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- 1) "When force is applied to a liquid confined in a container or an enclosure, the pressure is transmitted equally and undiminished in every direction."
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- 2) The valve body in most rear-wheel-drive transmissions is located inside the transmission oil pan at the bottom of the case. A transaxle valve body may be at the bottom of the case, on the backside of the torque converter housing, or on the top or side of the transaxle housing.
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- 3) Variable displacement pumps are also positive displacement in that they will pump a certain volume on each revolution, but the displacement, and therefore the fluid volume, can be changed. This is done by moving the vane housing to reduce the size of the pumping chambers.
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- 4) Teflon rings can be scarf cut (have the ends cut at an angle so they overlap), butt cut, or uncut.
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- 5) Units that include the TCM within the transmission/transaxle are commonly called a mechatronic unit which is a word that combines mechanical with electronic components in one unit.
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