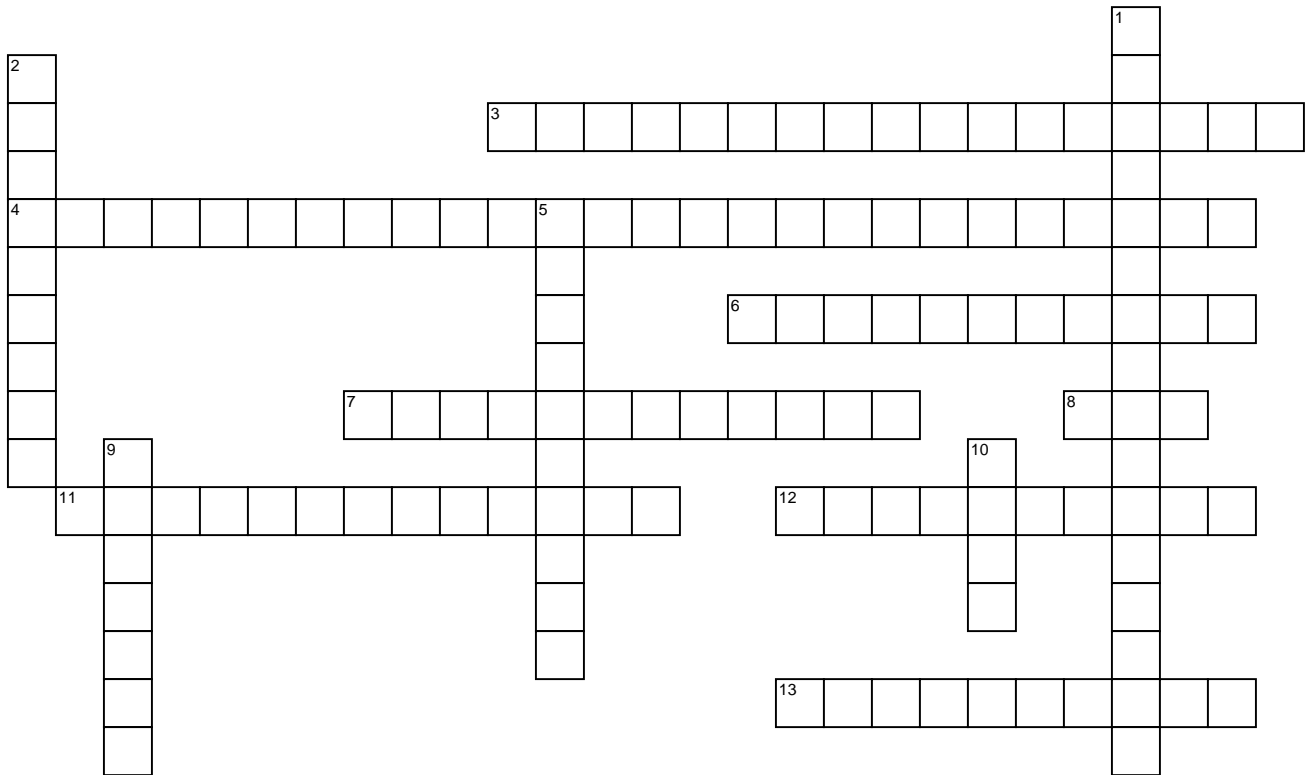


Chapter 5

Diesel Engine Cooling System



ACROSS

- 3** This coolant has a small amount of a substance that makes it taste bitter, and therefore, not appealing to people or animals
- 4** _____ is a coolant that consists of 47% ethylene glycol, 50% water, and 3% additives.
- 6** _____ is a chemical reaction that takes place between coolant additives and the metal that
- 7** _____ is the chemical decomposition produced by passing an electric current through a liquid or solution containing ions.
- 8** _____ is a distinction is made between organic inhibitors and mineral (also called inorganic) inhibitors such as silicates, borates, nitrites and phosphates.
- 11** _____ a tester used to test the freezing point of coolant by placing a few drops of coolant on a prism surface.
- 12** is a tester that measures the density of the coolant.
- 13** A _____ is a device that controls coolant temperature.

DOWN

- 1** _____ is the flow of an electrical current as the result of two different metals in an acidic or alkaline liquid, which acts like a battery.
- 2** a _____ Is a centrifugal pump that can move a large volume of coolant without increasing the pressure of the coolant.
- 5** _____ is the formation of an empty space within a solid object or body.
- 9** _____ is a brand of OAT coolant, which has been used in General Motors vehicles since 1996.
- 10** is a newer variation of OAT technology using organic acid salts (carboxylates) that are not abrasive to water pumps, yet provide the correct pH.