ACROSS

3 _______ is used in the cooling system because it transfers heat from the engine to the radiator.
5 All manufacturers recommend the use of ________ ______ based coolant.
8 ______, developed by Havoline, is just one brand of OAT coolant, which has been used in GM vehicles since 1996.
9 __________ is a chemical reaction that takes place between coolant additives and the metal that it protects.
10 __________ coolant contains ethylene glycol, but does not contain silicates or phosphates.
11 __________ is conventional coolant that has been used for over 50 years.
12 __________ is the flow of an electrical current as a result of two different metals in a liquid, which acts like a battery.
13 _______ requires the use of an outside voltage source.
14 A __________ is a tester used to test the freezing point of coolant by placing a few drops of coolant on the prism surface.
15 The ________ measures the density of the coolant.

DOWN

1 _____ is similar to the OAT-type antifreeze as it uses organic acid salts that are not abrasive to water pumps, yet provide the correct pH.
2 ______ is half of the coolant and can have an effect on the corrosion protection of coolant due to variations in its quality, which is often unknown.
4 ______ is used in Mazda-based Fords, same as Mazda FL-22, and is ethylene glycol based.
6 __________ has a small amount of a substance that makes it taste bitter and therefore not appealing to animals.
7 When testing for pH, use either a ________ or a pH meter.