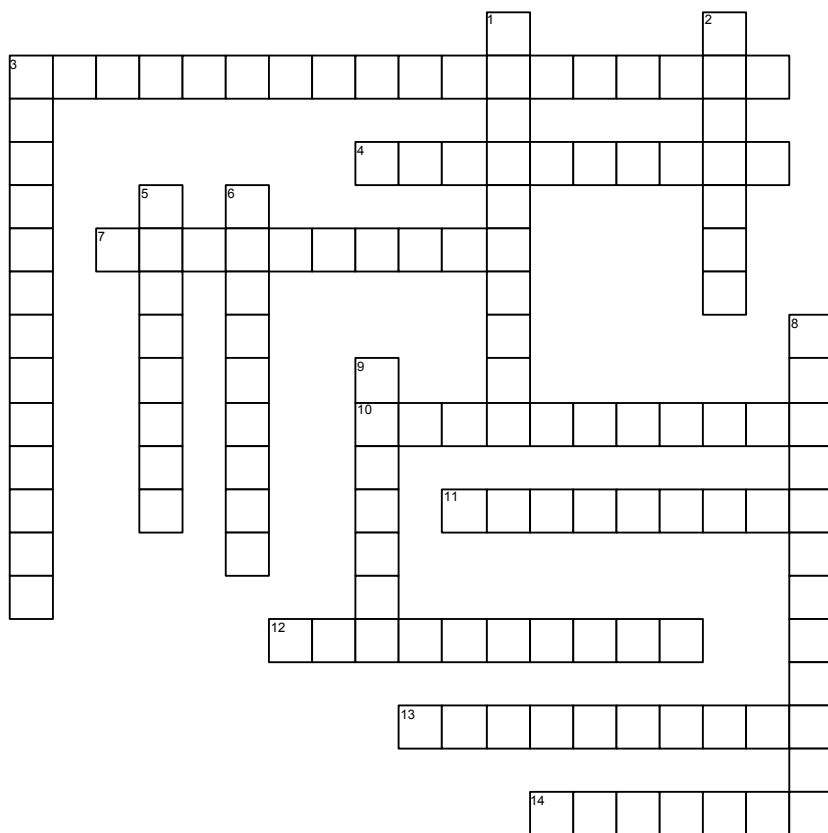


The Refrigeration Cycle

Chapter 4



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ACROSS

- 3 The flow of refrigerant through the system is called the _____ and is used to cool the interior of the vehicle.
- 4 As the heat is absorbed by the refrigerant, the _____ becomes cold.
- 7 The high side line is often called the _____.
- 10 If an excessive amount of refrigerant is put into a system then the excess volume partially fills the condenser as a liquid and reduces its effective volume, it's called _____.
- 11 The _____ looks like another radiator, and its purpose and function is to remove heat from the high-pressure gas.
- 12 Some newer systems use a _____, which is a solid-state device that changes its electrical resistance in inverse relationship to its temperature.
- 13 The term _____ refers to a liquid existing at a temperature below its normal condensation temperature.
- 14 A _____ evaporator is usually the result of a restriction at or before the expansion device or an undercharge of refrigerant.

DOWN

- 1 A refrigerant is circulated through the system by a _____ that is usually powered by the engine through an accessory drive belt.
- 2 A _____ evaporator is usually the result of having too much refrigerant in the system.
- 3 A _____ is used in the high side of a TXV system.
- 5 The _____ begins at the compressor and ends at the expansion device.
- 6 _____ is the amount of heat added to the refrigerant after it has changed from liquid to vapor.
- 8 If the volume of liquid drops so that vapor bubbles pass through the TXV or OT, the system is _____ and its cooling effectiveness is reduced.
- 9 The _____ begins at the expansion device and ends at the compressor.