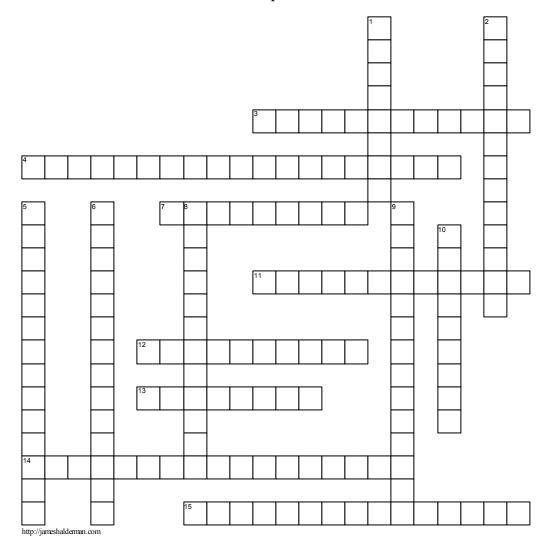
Gasoline

Chapter 4



ACROSS

3 In the 1800s, crude was separated into different

measured in _____.

7 At higher temperatures, liquid gasoline can easily vaporize, which can cause _____.

11 The _____ of gasoline is the measure of its antiknock properties.

12 _____ describes how easily the gasoline evaporates.

13 _____ is the process where hydrocarbons with higher boiling points could be broken down into lowerboiling hydrocarbons by treating them to very high temperatures.

14 _____ is the pressure of the vapor above the fuel when the fuel is at 100°F (38°C).

15 ____ contain oxygen in the molecule of the fuel itself.

DOWN

1	is a term used to describe a complex mixture
	of various hydrocarbons refined from crude petroleum oil
	for use as a fuel in engines.
2	can break down hydrocarbons that are
	resistant to catalytic cracking alone, and it is used to
	produce diesel fuel rather than gasoline.
5	The ideal mixture or ratio at which all of the fuel
	combines with all of the oxygen in the air and burns
	completely is called the ratio,
	chemically perfect combination.
6	The pump octane is called the
	The is the proportion by weight of air
	and gasoline that the injection system mixes as needed
	for engine combustion.
9	One of the first additives used in gasoline was
10	Asit comes out of the ground, crude can be
	as thin and light as apple cider or as thick and black as
	melted tar.