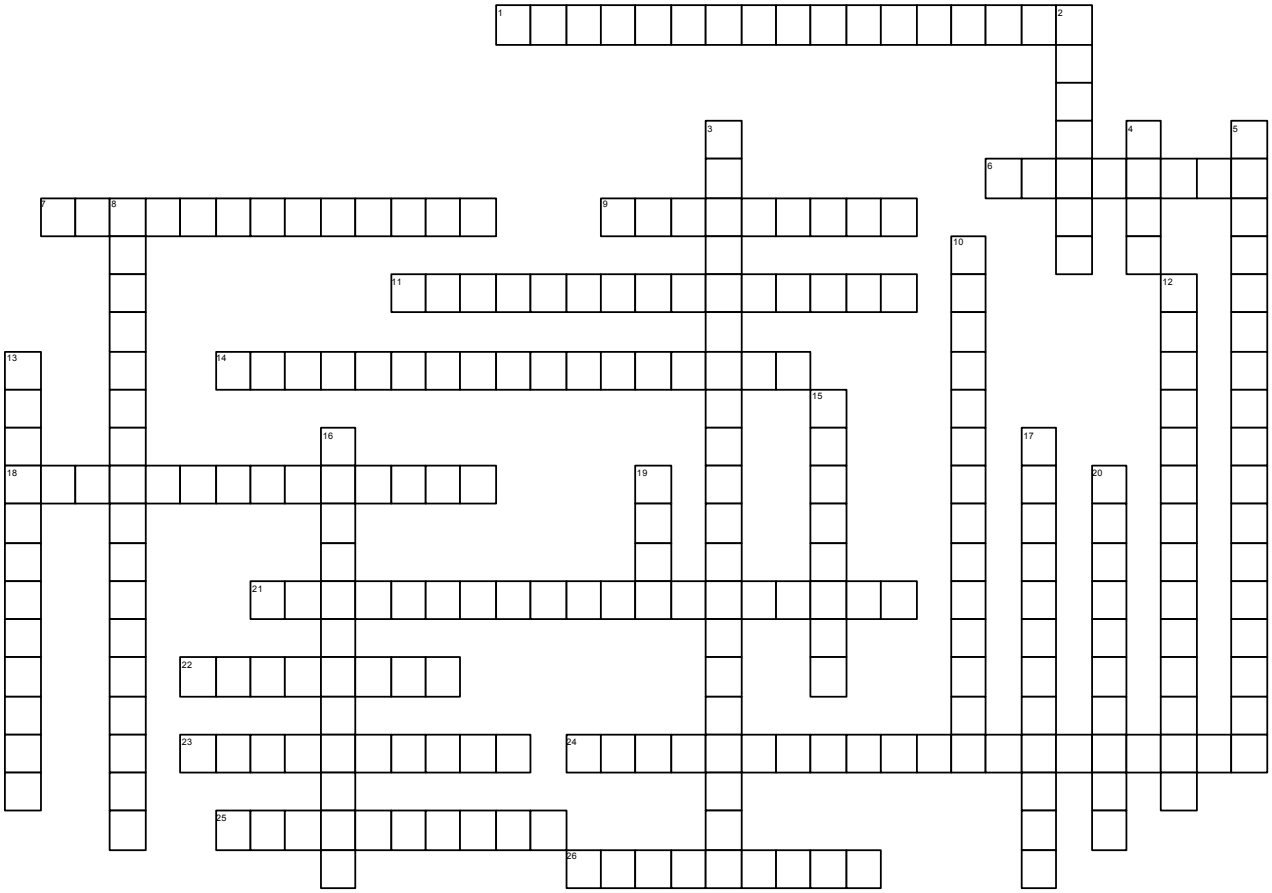
Gasoline

Chapter 66



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ACROSS

1 Besides RVP, another method of classifying gasoline volatility is the _____ _____.

6 All gasoline is said to be _____, meaning that it is capable of being interchanged because each grade is created to specification so there is no reason to keep the different gasoline brands separated except for grade.

7 _____ is similar to catalytic cracking in that it uses a catalyst, but the catalyst is in a hydrogen atmosphere.

9 _____ means rock oil.

11 _____- _____ contain oxygen in the molecule of the fuel itself.

14 Instead of high heat, today cracking is performed using a catalyst and is called _____ _____.

18 The pump octane is called the _____ _____.

21 The heat produced by the combustion process is measured in _____ _____ _____.

22 _____ is a term used to describe a complex misture of various hydrocarbons refined from crude petroleum oil for use as a fuel in engines.

23 _____ describes how easily the gasoline evaporates.

24 _____ _____ is manufactured to help reduce emissions.

25 _____ is another term for engine knock.

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

DOWN

2 _____ is drinkable alcohol and is usually made from grain.

3 The _____ _____ ____ _____ was established in 2002 by vehicle and engine manufacturers.

4 _____ is another term for engine knock.

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

8 To predict cold-weather driveability, an index was created called the _____ _____.

10 One of the first additives used in gasoline was _____ _____.

12 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.

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

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

16 In the late 1800s, crude was separated into different products by boiling in a process called _____.

17 There is a direct relationship between engine airflow and fuel requirements; this is called the ____-_____ _____.

19 The _____ standards for winter-blend gasoline allow volatility of up to 15 PSI RVP.

20 _____ _____ is another term for engine knock.