










SUDOKU GASOLINE

NAME _____

Gasoline is made from hydrocarbons (molecular chains of hydrogen and carbon) found in crude oil. After crude oil is removed from the ground, it is sent to a refinery so that the oil can be refined, or changed, into useful products such as gasoline, diesel fuel and home heating oil. Less than 40% of a barrel of crude oil can be transformed into gasoline, but because gasoline is one of the most desirable products made from “crude,” oil companies have figured out a way to get more gas from the barrel.

Through a process called cracking, the larger hydrocarbon molecules are broken down into smaller components that are then made into gasoline. Catalysts (compounds added to a process like refining to cause a chemical change, without being affected themselves) are used in the cracking process to break the hydrocarbons down into fractions (smaller parts) that are converted to gasoline. Because of the cracking process, refineries can now turn more than half of every 42-gallon barrel of crude oil into gasoline — quite a change from 70 years ago when each barrel produced only 11 gallons of gasoline!

Fill in the squares so that each row, column, and 9-square section has the letters G-A-S-O-L-I-N-E. The final square will contain a picture of a gas can.

	O		L	S		N		
		I	O		G	E	A	
N				E		O		I
	A	S	I		N			E
I		E			O			N
O	N		E	A		S	I	
	E	L	A			G		O
G			N		S		E	
A	I			O		L		S

