## PART A: EXPLORING THE TABLE

In the periodic table, elements are arranged in order of their atomic numbers. With a couple of exceptions, atomic numbers are in the same order as atomic masses. That is, the lightest element has the lowest atomic number; the heaviest element has the highest atomic number.

1.	How many	(a) periods	&	(b) groups
	are there?			

2.	Ten different elements are listed						
	the chart. Find each element in the						
	periodic table and then fill in the missing information.						

dust Kid.

PERIOD	GROUP	ELEMENT	SYMBOL	ATOMIC #
2	16			
3	1			
		chlorine		
		potassium		
			Fe	
			He	
				80
				10
			Sn	
		arsenic		

3.	The element from the chart above that is the light	test is		
	You know it is the lightest because it has the			$atomic\ number.\ \ \{\textit{highest/lowest}\}$
4.	Which of these elements are metals? nonmetals?	? metalloids?	{Indicate your answe	er by placing an M, N, L next to the name.}
5.	Two pairs of these elements have many propertie	s that are alike.		
	(a) Name the pairs of elements.			
	(b) We know they are alike because they are in t	he same		{period/group}
6.	Name one metal that has properties like tin.			
7.	Name two elements that have properties similar t	to chlorine		
Witl	RT B: THE [AU] DUST KID th the aid of the periodic table in the back of your to ment in the space provided. Watch your spelling!	extbook complet	e the following sto	ory by writing the name of the
	The kid mounted his trusty steed, old [B]	н	is shooting [Fe] _	strapped
to h	his side, he headed out for the bright [Ne]	light:	s of Sabattus, aim	ing to rob the Litchfield stage.
The	ere was sure to be a load of precious [U]	at	ooard, and probab	ly [K],
too.	o. Inhaling a deep breath of [O]	he cough	ed on the [S]	from the
nea	arby mills. Since the [Hg] was	s climbing, he que	enched his thirst w	rith some H <sub>2</sub> O, tasting the [CI]
	deposits built up over years o	of riding the [Zn]		trail. Overhead a [He]
-	-filled balloon floated in the bre	eze; the sun beaf	t down like burnin	g [P]
	Soon the Kid spotted the stage, guarded only by a	sheriff with a [S	n]	badge. "Halt," he yelled,
"or	I'll fill you full of [Pb]"	The sheriff drew	his gun, but alas	was too slow. The kid's gun,
	zing like flaming [Mg] did tl			
	ould know his life wasn't worth a plugged [Ni]			
	-framed coach was holding on for c			
	mpounds, preparing to blow the safe to atoms.			
	Suddenly, a shot range out, "Hi Ho [Ag]	," aı	nd a masked man	on a white horse raced across
	e [Si] sands like [Na]			
	e rest of his life was to be spent behind [Co]			
	nger. Your first detention may be the initial step in			