Facts about the Earth

There are many interesting facts about the Earth. One is that it is the third planet from the Sun in our Solar System. Other facts about our planet are: it has an abundance of liquid water, it is the only planet in our Solar System to have life and it has a rocky composition. You may remember that the earth has a number of layers and the top layer is called the crust. There are many elements that make up the Earth's crust but there are eight that are the most abundant.

Of course all of the elements that make up the Earth's crust are found on the Periodic Table of Elements. The earth's crust is made mostly of Oxygen -46% and Silicon -28%. It also has 8% Aluminum, 6% Iron and 4% Magnesium. There is a little Calcium -2.5% and Potassium -2.3%. About 3.2% of the Earth's crust is made up of small amounts of all the other elements.

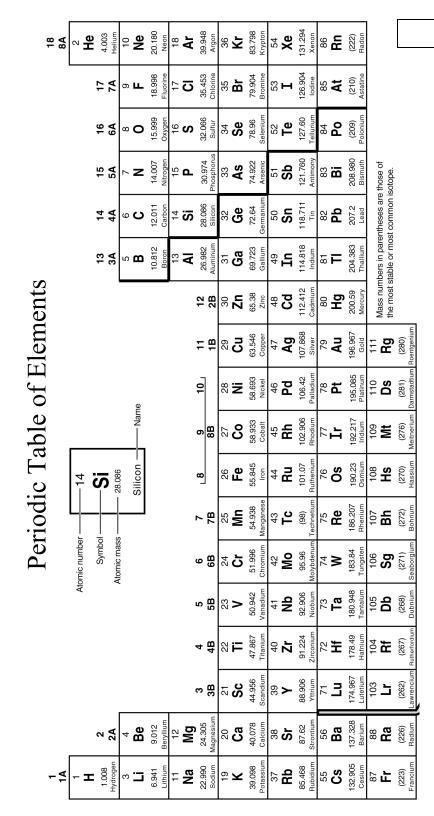
Materials: Colored pencils What To Do:

1. Find each of the following elements on the Periodic Table on the next page and color them the listed color.

Oxygen – yellow Silicon – orange Aluminum – purple Iron – red Magnesium- blue Calcium – green Potassium - pink

Questions:

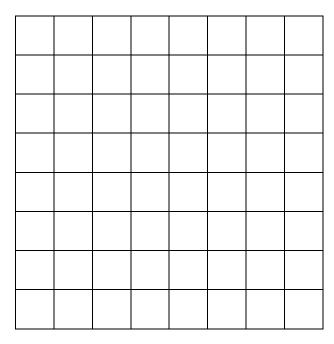
- 1. How many of these elements are metals?
- 2. How many of these elements are metalloids?
- 3. How many of these elements are nonmetals?



Materials:	Periodic	Table,	colored	pencils
What To D	0:			

- 1. Fill in the data table below with the elements and their percentages that were given in the paragraph on the first page.
- 2. Use the Periodic Table to find each element's symbol.
- 3. Make a bar graph of the elements found in the Earth's Crust.

Element	Symbol	Percent



Nar	ne period	Name	period		
EXIT TICKET		EX	EXIT TICKET		
Facts about the Earth		Fac	Facts about the Earth		
1. What does the word abundant mean?		1. Which of the follo written correctly?	1. Which of the following symbols for Oxygen is written correctly?		
	A. not having enough of something				
B. having a great deal of something		A. o	A. o		
C. having too much of something		· -	B. O		
		C. OX			
	hich of the following is NOT an abundant element				
fo	und in the Earth's crust?	2. Which of the follo written correctly?	wing symbols for Silicon is		
1	A. Silicon				
B. Oxygen		A. si	A. si		
C. Helium		B. sI	B. sI		
		C. Si			
3. W	hich of the following symbols for Oxygen is written				
correctly?		3. What does the wor	3. What does the word abundant mean?		
1	A. o	A. not having	enough of something		
]	3. 0	_	reat deal of something		
(C. OX	<u> </u>	much of something		
4. Which of the following symbols for Silicon is written correctly?			4. Which of the following is NOT an abundant element found in the Earth's crust?		
	-				
1	A. si	A. Silicon			
]	3. sI	B. Oxygen			
C. Si		C. Helium	C. Helium		