

SYMBOLS, ATOMIC NUMBERS AND ATOMIC MASSES

NAME _____
DATE _____
PER _____ PAGE _____

OBJECTIVE: _____

RESEARCH:

symbols: _____

some elements symbols: _____

atomic number: _____

atomic mass: _____

rounding the atomic mass: _____

lightest elements on the periodic table: _____

heaviest elements on the periodic table: _____

ACTIVITY NUMBER 1: ATOMIC NUMBERS

Use the periodic table in your agenda to look up the atomic numbers below. Put the first letter only of the element's name in the space above the number.

Example: $\frac{G}{31}$ $\frac{A}{18}$ $\frac{S}{21}$

31 is the atomic number of the element gallium, and it starts with the letter G. The letter G goes above the number 31. The other two letters are found in the same way.

A child's definition of the term "gas" might be:

$\frac{34}{8}$ $\frac{25}{99}$ $\frac{52}{2}$ $\frac{77}{41}$ $\frac{31}{81}$ $\frac{1}{13}$ $\frac{43}{8}$

$\frac{31}{76}$ $\frac{99}{14}$ $\frac{92}{15}$ $\frac{5}{92}$ $\frac{22}{22}$

$\frac{66}{76}$ $\frac{63}{21}$ $\frac{28}{22}$ $\frac{W}{33}$ $\frac{7}{22}$ $\frac{90}{8}$

$\frac{32}{76}$ $\frac{4}{18}$ $\frac{6}{36}$ $\frac{6}{8}$ $\frac{W}{10}$

ACTIVITY NUMBER 2: ATOMIC MASSES

Using a periodic table, fill in the missing blanks in the table below. After completing the column, circle the heaviest element and the lightest element. (Some of the decimal fractions on the masses have been rounded off.)

	MASS	ELEMENT	SYMBOL
1.			Ca
2.		Carbon	
3.		Copper	
4.			Au
5.	4.002		
6.	1.008		
7.			Pb
8.	200.59		
9.		Neon	
10.	195.09		
11.		Oxygen	
12.	226		
13.			Ag
14.		Sodium	
15.	238.029		