

CHEMISTRY
HOMEWORK 2a.

Name: _____

1. Complete the chart for each of the following:

	No. of protons	No. of neutrons	No. of electrons in neutral atom
${}_{5}^{11}\text{B}$			
${}_{82}^{210}\text{Pb}$			
${}_{21}^{45}\text{Sc}$			
${}_{92}^{235}\text{U}$			

2. REVIEW: Calculate each to the correct number of significant figures, and write the answer in standard scientific notation.

a. $14903 / .084$

b. 0.000045×180.3

c. $1.4 \times 10^4 / 2.67 \times 10^{-3}$

3. REVIEW: If the density of mercury is 13.6 g/cm^3 , find the volume of 4.22 g of mercury.