

* I-1 ____ C ____ NC

Chemistry 151
Worksheet 1

Name: _____

*A. (4.0 pts.) Give the atomic symbol or name as indicated for each of the following:

nickel _____ Zn _____

neon _____ Ti _____

manganese _____ N _____

fluorine _____ Co _____

B. (4.0 pts.) Fill in the blanks for each of the following (express all answers to the proper number of significant figures):

1.43 kg = _____ g $18.9132 + 6.44 + 5.2 =$ _____

1.26 cm = _____ m $33.982 - 4.6351 =$ _____

1.56×10^4 mL = _____ kL $\frac{12.02}{4.3} =$ _____

14300 cm = _____ km $(6.077 \times 10^5)(3.10 \times 10^8) =$ _____

C. (1.0 pt.) A certain liquid has a density of 0.663 g/mL. Determine the mass in grams of 125 mL of this liquid.

D. (1.0 pt.) Given that 1 inch = 2.54 cm, using unit factor analysis, find the length of a stick in meters that was measured to be 6.22 yards long.