

CHEMISTRY  
HOMEWORK 1b

Name: \_\_\_\_\_

**A. Write each of the following in standard scientific notation:**

.00024

3,057

$5782 \times 10^{-10}$

**B. Round off each of the following as specified, and express in scientific notation:**

0.0003684 to 2 significant figures

38592 to 3 sig. figs.

3.1415926535 to 4 sig. figs.

**C. A bar of metal has a true length of 10.62 cm.**

Write a set of four measured values that would be accurate but imprecise:

Write a set of four measured values that would be precise but inaccurate:

**D. Round off each of the following as specified, and express in scientific notation:**

0.00029604 to 2 significant figures

6857504 to 3 sig. figs.