## Quiz One <br> Chemistry 121/100 FGH

1. Convert the following numbers to scientific notation:
a. 0.0005621
b. 7700.0
c. 800 .
2. How many signific ant figures are in each of the following numbers?
a. 1405.0
b. 6,000
c. $7,196,800$
d. $9.00 \times 10^{-3}$
3. Round the following numbers to three signific ant figures:
a. $25,880,000$
b. 245.8472934975
c. $130,000,000$
4. Camy out the following calculations and express the answer with the correct number of signific a nt figures:
a. $34.9401 \times 2.07 \times 0.003189=$
b. $616.832+17.233+9198.6=$
c. $1.89 \times 10^{7} \times 2.14 \times 10^{3}=$
d. $460.78+81.0=$

Explain the difference between the word pairs below by giving short definitions of each tem:
a. theory, hypothesis
b. compound, element
c. homogeneous, heterogeneous
d. law, theory
e. gas, solid
f. matter, mass

