

Name _____
CHEM: Scientific Notation Worksheet #1

Date _____
Period _____

1. Convert the following to scientific notation:

a) 1500 =

h) .15232 =

b) 15 =

i) .0000196 =

c) 4 =

j) .06 =

d) 500,000 =

k) .00000175 =

e) .0007 =

l) 3,240,000,000 =

f) 156 =

m) .0049 =

g) 92 =

n) .00057 =

2. Change from scientific notation to conventional numbers:

a) $5.2 \times 10^3 =$

h) $1 \times 10^0 =$

b) $9.1 \times 10^2 =$

i) $5.6 \times 10^6 =$

c) $8.5 \times 10^1 =$

j) $9.3 \times 10^5 =$

d) $4 \times 10^5 =$

k) $5 \times 10^{-3} =$

e) $6 \times 10^{-1} =$

l) $7 \times 10^{-2} =$

f) $5.4 \times 10^{-8} =$

m) $9.9 \times 10^{-9} =$

g) $7.3 \times 10^4 =$

n) $4 \times 10^7 =$

3. Change from given to standard scientific notation:

a) $.07 \times 10^3 =$

b) $50 \times 10^2 =$

c) $950 \times 10^1 =$

d) $75 \times 10^{-1} =$

e) $.006 \times 10^4 =$

f) $.0009 \times 10^{-3} =$

g) $42 \times 10^{-5} =$

h) $7.9 \times 10^{-3} =$

i) $6.1 \times 10^0 =$

j) $.059 \times 10^{-5} =$

k) $.0007 \times 10^{-5} =$

l) $200 \times 10^5 =$

m) $17 \times 10^{-3} =$

n) $140 \times 10^{-2} =$

o) $.005 \times 10^{-6} =$

p) $.07 \times 10^{-8} =$

4. Switch these so that the blanks can be filled in correctly :

a) $200 \times 10^0 =$ _____ $\times 10^{-3}$

b) $6.2 \times 10^{-3} =$ _____ $\times 10^5$

c) $.05 \times 10^{-4} =$ _____ $\times 10^2$