

Chemistry  
SI UNIT CONVERSIONS  
WORKSHEET 1

Matching--Match the prefixes on the left

with the associated value on the right.

- |              |            |
|--------------|------------|
| _____1)kilo  | a) .0001   |
| _____2)deci  | b) 100     |
| _____3)milli | c) 1000    |
| _____4)deca  | d)10       |
| _____5)hecto | e) .001    |
| _____6)centi | f) .01     |
| _____7)mega  | g) .1      |
| _____8)micro | h)1000000  |
|              | i) .000001 |

Fill in the blank--Fill in the blank on the right using the units provided by renaming the number on the left.

- |                        |                         |
|------------------------|-------------------------|
| 9)214 cm = _____ km    | 14) 400 cm = _____ m    |
| 10)384 mm = _____ dam  | 15) 96 cm = _____ dm    |
| 11) 135 km = _____ m   | 16) 12 m = _____ dam    |
| 12)57 dam = _____ dm   | 17) 2.45 m = _____ mm   |
| 13) 17.3 dm = _____ km | 18) 0.889 hm = _____ Mm |

Multiple choice--Choose the BEST answer to complete the following statements.

- \_\_\_\_\_19)One milliliter is equal to a) 1hg b)1cm<sup>3</sup> c)1g d)4.596 g e)1.7mm<sup>2</sup>.
- \_\_\_\_\_20)One cubic centimeter of water has a mass of a) 1kg b)1cm c)1 g d)1dg e)2.24 liters