

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)1cm³ c)1g d)4.596 g e)1.7mm².
- _____20)One cubic centimeter of water has a mass of a) 1kg b)1cm c)1 g d)1dg e)2.24 liters