<u>CHEM 1000 Discussion Worksheet</u>: Metric System, Conversions, and Density (Answers: see the laboratory page of the class website www.uwyo.edu/chem1000)

	length	mass	volume	temperature	amount of substance
unit (name)					
symbol					
What is the r	netric syste	m prefix name	correspondin	g to of each of	the following symbols?
c	_ μ		k		
М	_ m				
Place the foll	lowing in o	rder of increasi	ng size: cm	Mm μm	m km mm
(smallest)	<	<	<	< (largest	<u>(i)</u>
What is the r numerical va		between the u	nits below? F	ill in the blanks	s with the correct
cm =	m	r	mm =	m	$\mu L = \underline{\hspace{1cm}} L$
Ma-		1	· a –	σ	
		l		_	ship: 1 in = 2.54 cm.
Set up two po	ossible conversion factor	version factors	using the foll	owing relations	ship: 1 in = 2.54 cm.
Set up two po	ossible conversion factors of signif	version factors or, convert 50.2 icant figures.	using the foll	owing relations	
Set up two po	ossible conversion factors of signif	or, convert 50.2 icant figures.	using the foll	owing relations	
Set up two po	rersion factors of signif	or, convert 50.2 icant figures.	using the foll	owing relations	