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Section	Date	

2 Scientific Measurement
Objectives Worksheet

6. List the SI units of measurement used in chemistry.

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Chapter Objectives	
As you study this chapter, you should be able to do the following:	
and qualitative measurements.	2.1
Quant give results in a definite form, usually as It's	
Quanti-give results in a definite form, usually as #'s Quali-give results in a descriptive form	
2. Distinguish between the accuracy and precision of a measurement.	2.2
Accoracy - how close a measurement is to the true vo	<u> </u>
Procision - reproducibility of a measurement	
	2.3
Evamples:	
7.58 × 10	
a000758	
b. 4573 217	
c03438 3,438 X10-2	
4. Identify the number of significant figures in a measurement.	2.4
Examples:	
a. 0.42 L	
4	
b. 78.00 m	
c. 320 g	
5. Apply the rules for significant figures in calculations to round off numbers correctly.	2.5
Examples: 8700 Km	
a. Round on 8070 km to two significant figures	
b. Round off 0.01025 m to three significant figures 10103m	
Round off 7.013 g to three significant figures / 101	
d. Round off 0.003629 mm to three significant figures 100363mm	. •
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2.6