Name	Period
College Prep Chemistry of the Earth System	
Assignment 0F – Accuracy and Precision in Lal Complete the following questions based on the in class	
Define Accuracy in Measurements	Define <i>Precision</i> in Measurements
Define Known Values in a laboratory measurement	Define Estimated (Unknown) Values in a laboratory measurement

For the following measurements determine which description of accuracy and precision best apply and give a brief explanation for your answer

**Answer Choices**: Accuracy – Accurate or Not Accurate, Precision – Precise or Not Precise

Measured Values (Experimental)	Correct Value (Known)	Accuracy (Accurate/Not Accurate)	Precision (Precise/Not Precise)	Explanation (Only a few words)
34.6g, 34.5g, 34.7g, 34.6g	34.6g			
31.5g, 36.2g, 34.7g, 33.2g	34.6g			
23.5g, 23.4g, 23.6g, 23.3g	34.6g			
12.3g, 100.4g, 150.3g, 1.5g	34.6g			

For the following measurements determine the known and unknown (estimated digits) alone with the unit and label

Measurement	Known Values	Estimated Value	Unit	Label	System of Measure*
394.50g NaCl					
0.0289m Table					
49.20°C Room					
1.384atm Balloon					

<sup>\*</sup>Previous Assignment Noteset