PENANG SANGAM HIGH SCHOOL YEAR 12 CHEMISTRY SUPPLEMENTARY RESOURCES

Week 4 – Strand 1 General Chemistry

	your ki respec		rors and matric conversion to	answer question 1			
			but not the	of the			
	measurement.						
	A.						
	B.	J I					
	C.	Numerical values and sign	_				
	D.	Precision and uncertainty					
2.	Which	Which of the following is the correct exponential base unit for micro					
	A .	10-2	B. 10 ⁻³				
	C.	10-6	D. 10 ⁻⁹				
	te	 was recorded properly. (Hint: use knowledge on significant figures and one tenth rule to answer this question) i. Determine the number of significant figures in the measured volume. 					
	1.	Determine the number of	significant figures in the measu	rea voidine.			
	ii.	ii. Assume that the volume measurement was made with a graduated cylinder.					
	Ho	ow far apart were the scale	divisions on the measuring cylir	nder.			
4.	The density of sugar is 1.59 g/mL. What is the mass in kg of 3L of sugar? (Hint: this is an application question, use the conversion table in dimensional analysis)						
5 Con	vert the	e following: (Hint: use the	conversion table in dimension	ıal analysis)			
o. Con		L to g/mL	conversion table in unitension	iai anaiysis)			
	, 0	S					

	on. (Refer to the note Prefix	es on matric conversion Symbol	n) Exponential base uni
	Giga	i	109
ii Micro			iii
		iv	10-6
Rule 1	measured value.	ast be to the same decima	
burette rea	ding shown below. (mL) and the uncertainty fo

Measurement: