Nam	e:		Block:	Date:
IC 2.	4 & 2.5 – Uncertainty in Measu	rement and Signi	icant Figure	es Worksheet
A. R w	eview your lecture notes and read ords , summarize the rules for det	l Introductory Chen ermining the numbe	nistry (IC) Cha er of significa	apter 2.4 and 2.5. In your ow nt figures in a measurement.
3. De	etermining Significant Figures: Ho	w many sig figs are	e in each of th	ne following measurements?
1.	5.40 mm	8.	1.2 x 10 ³ Pa	a ·
2.	210 kg	9.	0.00120 mg	bl
3.	801.5 L	10.	0.0102 mol	
4.	1,000 lbs.	11.	9.190 x 10 ⁻⁶	⁵ m
5.	101.0100 g	12.	2,370.0 K	
6.	3 cars	13.	2000000°C	
7.	0.0000546 g	14.	27 students	
C. Qı	uestions on Estimation and Meas	urement and Sig Fi	gs:	
15.	Why are significant figures important when taking data in the laboratory?			
16.	Why are significant figures NOT important when solving problems in math class?			
17.	Using two different rulers, I measured the length of my foot to be 27.1 centimeters and 27.1 centimeters. Explain the difference between these two measurements and between the two measurement instruments (rulers).			