<u>CHM 1025C</u>	George W.J. Kenney, Jr	<u>CT-1</u>	<u>Ch 1, 2</u>	<u>27-May-2009</u>									
NO CREDIT IF YO	U: Fail to put in the Units &	& Properly	Round, Fail to sho	w ALL math work									
Max Grade: 102 points PRINT NAME ON LINE													
CHECK CORRECT	BOX OR LOOSE 20 PTS	(1 pt)	Test End time										
Wed Afternoon Lab		(1 pt)	Test Start time										
Wed Evening Lab			Test Elapsed time										
A. Answer the Following (4 Points each = 40 pts)													
1. What is Chemistry?													
2 What are the stor	og in the Scientific Method?												
2. What are the step	s in the Scientific Method?												
3. What is a measur	ement?												
4. What is Scientific	Notation?												
Fill in the blanks													
Physical Quantity	SI Unit Name	English U	<u>nit Name</u>										
5. Mass													
6. Length													
7. Time													
8. Temperature													
9. How many ml is i	n one Liter?												
·													
10. How many milligrams is in one gram?													

Chem 1025C 1 of 4 Chapters 8 & 9

B. Perform the following Calculations [Show All Math] (6 pts ea = 60 pts)									
1. I am 5 feet 8.5 inches tall. My date, who's from Ireland, is 162.6 cm. Who is taller and by how much [in inches]?									
2. I weigh 178.4 lbs. My Irish date weights 52.2 kilograms fully dressed. Who weights more and by how much [in lbs]?									
3. I go to the store to get a bottle of Rum. The bottle size is 750. ml. How many gallons is this?									

Chem 1025C 2 of 4 Chapters 8 & 9

4.	The temperature outside is 260. °K.	Is this cold or warm?	What is this temperature in °F?	?
5.	1234.567 123.45 <u>12.345</u>	3000.00 x 2.00	5000.0 <u>x 2</u>	
6.	999.99 feet x 3.0 lb =			
D	ID YOU CHECK FOR SIGNII	FICANT DIGITS	Yes	
D	ID YOU CHECK FOR PROPE	Yes	No	
H	ow do you rate this test from 1	to 10		_
1 :	= Very Easy, can do it with my eyes	closed, 10= Very Very l	Difficult, could not do any of the	problems

Chem 1025C 3 of 4 Chapters 8 & 9

1	1 H 1.008	2A											3A	4A	5A	6A	7A	2 He 4.003
2	3 Li 6.941	4 Be 9.012											5 B 10.81	6 C 12.01	7 N 14.01	8 0 16.00	9 F 19.00	10 Ne 20.18
3	11 Na 22.99	12 Mg 24.31	_										13 Al 26.98	14 Si 28.09	15 P 30.97	16 S 32.07	17 C1 35.45	18 Ar 39.95
4	19 K 39.10	20 Ca 40.08	21 Sc 44.96	22 Ti 47.88	23 V 50.94	24 Cr 52.00	25 Mn 54.94	26 Fe 55.85	27 Co 58.93	28 Ni 58.69	29 Cu 63.55	30 Zn 65.38	31 Ga 69.72	32 Ge 72.59	33 As 74.92	34 Se 78.96	35 Br 79.90	36 Kr 83.80
5	37 Rb 85.47	38 Sr 87.62	39 Y 88.91	40 Zr 91.22	41 Nb 92.91	42 Mo 95.94	43 Tc (98)	44 Ru 101.1	45 Rh 102.9	46 Pd 106.4	47 Ag 107.9	48 Cd 112.4	49 In 114.8	50 Sn 118.7	51 Sb 121.8	52 Te 127.6	53 I 126.9	54 Xe 131.3
6	55 Cs 132.9	56 Ba 137.3	57 La* 138.9	72 Hf 178.5	73 Ta 180.9	74 W 183.9	75 Re 186.2	76 Os 190.2	77 Ir 192.2	78 Pt 195.1	79 Au 197.0	80 Hg 200.6	81 T1 204.4	82 Pb 207.2	83 Bi 209.0	84 Po (209)	85 At (210)	86 Rn (222)
7	87 Fr (223)	88 Ra 226	89 Ac** (227)	104 Rf (261)	105 Db (262)	106 Sg (263)	107 Bh (264)	108 Hs (265)	109 Mt (268)	110 Ds (271)	111 Rg (272)	112 Uub	113 Uut	114 Uuq	115 Uup			