Cn 4, 5, 11 12-Oct-2009
ınd, Fail to show ALL math work
E
End time
Start time
Elapsed time
more
what purpose do they serve?
t is absorbed. This is then radiated out in
2 <sub>2</sub> in the upper atmosphere
om by shooting an
charge
ke up an element: S
<del></del>
s 6 protons and electrons and 8 neutrons?
a Rest state or low energy state, they are
bon are called?

1 of 3

**Chapters 9 & 16** 

**Chem 1025C** 

## B. Fill in the blanks (3 Points each = 45 pts)

<b>Name</b>	<u>Formulae</u>
1. Sodium Hydroxide	
2	CsClO <sub>3</sub>
3	${f AgNO_2}$
4. Calcium Bicarbonate	
5. Zinc Bromide	
6. Aluminum Cyanide	
7	$\mathrm{H}_2\mathrm{SO}_4$
8	CuO
9	Fe(NO <sub>3</sub> ) <sub>3</sub>
10	$PbS_2$
11	$NO_4$
12. Ammonium Sulfate	
13	$HNO_3$
14. Aluminum Sulfate	
15	$H_3PO_4$

## C. Perform the following Calculations [ Show All Math ] (5 pts ea = 10 pts )

1. What is the Molecular Weight of HCN?

2. I just weighted out 45.2 mg. How many kg is this?

DID YOU CHECK FOR SIGNIFICANT DIGITS	Yes	No
DID YOU CHECK FOR PROPER UNITS	Yes	No
How do you rate this test from 1 to 10		

1 = Very Easy, can do it with my eyes closed, 10= Very Very Difficult, could not do any of the problems

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