## CHM 1025C <br> George W.J. Kenney, Jr <br> CPS-1 <br> Ch 1, 2 <br> 18-May-2009

NO CREDIT IF YOU: Fail to put in the Units \& Properly Round, Fail to show ALL math work
Max Grade: 106 points PRINT NAME ON LINE
CHECK CORRECT BOX OR LOOSE 20 PTS
Test End time
Wed Afternoon Lab
Test Start time
Test Elapsed time $\qquad$
Wed Evening Lab
$\square$
Max Test Grade 102
(20 pt) 1. The tables that you have to memorize for a few weeks from now are in Chapter $\qquad$
(20 pt) 2. When you go to a Chemistry Lab, you will not be allowed to take the lab if:
(20 pt) 3. When you go to a Chemistry Lab, you will not be allowed to take the lab if:
(20 pt) 4. . Last weeks and todays lecture deal with numbers and significant digits. What are the two main rules that I teach in this class pertaining to the number of significant digits:
(20 pt) 5. Solve the following problem:
1.23456
$+\quad 1$
(1pt ) DID YOU CHECK FOR SIGNIFICANT DIGITS
(1 pt) DID YOU CHECK FOR PROPER UNITS
( $1 \mathbf{p t )}$ 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 | $\begin{gathered} 1 \\ \mathbf{H} \\ 1.008 \end{gathered}$ | 2A |  |  |  |  |  |  |  |  |  |  | 3A | 4A | 5A | 6A | $7_{\mathrm{A}}^{\prime}$ | $\begin{gathered} 2 \\ \mathrm{He} \\ 4.003 \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{gathered} \hline 3 \\ \mathbf{L i} \\ 6.941 \end{gathered}$ | $\begin{gathered} 4 \\ \mathbf{B e} \\ 9.012 \end{gathered}$ |  |  |  |  |  |  |  |  |  |  | 5 <br> $\mathbf{B}$ <br> 10.81 | $\begin{gathered} 6 \\ \mathbf{C} \\ 12.01 \end{gathered}$ | $\begin{gathered} \mathbf{7} \\ \mathbf{N} \\ 14.01 \end{gathered}$ | $\begin{gathered} 8 \\ \mathbf{0} \\ 16.00 \end{gathered}$ | $\begin{gathered} 9 \\ \mathbf{F} \\ 19.00 \end{gathered}$ | $\begin{gathered} 10 \\ \mathrm{Ne} \\ 20.18 \end{gathered}$ |
|  | $\begin{gathered} 11 \\ \mathbf{N a} \\ 22.99 \end{gathered}$ | $\begin{gathered} 12 \\ \mathbf{M g} \\ 24.31 \end{gathered}$ |  |  |  |  |  |  |  |  |  |  | $\begin{gathered} 13 \\ \text { A1 } \\ 26.98 \end{gathered}$ | 14 $\mathbf{S i}$ 28.09 | $\begin{gathered} \mathbf{1 5} \\ \mathbf{P} \\ 30.97 \end{gathered}$ | $\begin{gathered} 16 \\ \mathbf{S} \\ 32.07 \end{gathered}$ | $\begin{gathered} 17 \\ \mathbf{C l} \\ 35.45 \end{gathered}$ | $\begin{gathered} 18 \\ \mathbf{A r} \\ 39.95 \end{gathered}$ |
|  | $\begin{gathered} 19 \\ \mathbf{K} \\ 39.10 \end{gathered}$ | $\begin{gathered} 20 \\ \mathbf{C a} \\ 40.08 \end{gathered}$ | $\begin{gathered} 21 \\ \mathbf{S c} \\ 44.96 \end{gathered}$ | $\begin{gathered} 22 \\ \mathbf{T i} \\ 47.88 \end{gathered}$ | $\begin{gathered} 23 \\ \mathbf{V} \\ 50.94 \end{gathered}$ | $\begin{gathered} 24 \\ \mathbf{C r} \\ 52.00 \end{gathered}$ | $\begin{gathered} 25 \\ \mathbf{M n} \\ 54.94 \end{gathered}$ | $\begin{gathered} 26 \\ \mathbf{F e} \\ 55.85 \end{gathered}$ | $\begin{gathered} 27 \\ \mathbf{C o} \\ 58.93 \end{gathered}$ | $\begin{gathered} 28 \\ \mathbf{N i} \\ 58.69 \end{gathered}$ | $\begin{gathered} 29 \\ \mathbf{C u} \\ 63.55 \end{gathered}$ | $\begin{gathered} 30 \\ \mathbf{Z n} \\ 65.38 \end{gathered}$ | $\begin{gathered} 31 \\ \mathbf{G a} \\ 69.72 \end{gathered}$ | 32 $\mathbf{G e}$ 72.59 | $\begin{gathered} 33 \\ \text { As } \\ 74.92 \\ \hline \end{gathered}$ | 34 $\mathbf{S e}$ 78.96 | $\begin{gathered} 35 \\ \mathbf{B r} \\ 79.90 \end{gathered}$ | $\begin{gathered} 36 \\ \mathbf{K r} \\ 83.80 \end{gathered}$ |
| 5 | $\begin{gathered} 37 \\ \mathbf{R b} \\ 85.47 \end{gathered}$ | $\begin{gathered} 38 \\ \mathbf{S r} \\ 87.62 \end{gathered}$ | $\begin{gathered} 39 \\ \mathbf{Y} \\ 88.91 \end{gathered}$ | $\begin{gathered} 40 \\ \mathbf{Z \mathbf { r }} \\ 91.22 \end{gathered}$ | $\begin{gathered} 41 \\ \mathbf{N b} \\ 92.91 \end{gathered}$ | $\begin{gathered} 42 \\ \text { Mo } \\ 95.94 \end{gathered}$ | 43 <br> Tc <br> (98) | $\begin{gathered} 44 \\ \mathbf{R u} \\ 101.1 \end{gathered}$ | $\begin{gathered} 45 \\ \mathbf{R h} \\ 102.9 \end{gathered}$ | $\begin{gathered} 46 \\ \text { Pd } \\ 106.4 \end{gathered}$ | $\begin{gathered} 47 \\ \mathbf{A g} \\ 107.9 \end{gathered}$ | $\begin{gathered} 48 \\ \mathbf{C d} \\ 112.4 \end{gathered}$ | $\begin{gathered} 49 \\ \text { In } \\ 114.8 \end{gathered}$ | $\begin{gathered} 50 \\ \text { Sn } \\ 118.7 \end{gathered}$ | $\begin{gathered} 51 \\ \mathbf{S b} \\ 121.8 \end{gathered}$ | $\begin{gathered} 52 \\ \mathrm{Te} \\ 127.6 \end{gathered}$ | $\begin{gathered} 53 \\ \text { I } \\ 126.9 \end{gathered}$ | 54 <br> $\mathbf{X e}$ <br> 131.3 |
| 6 | $\begin{gathered} 55 \\ \text { Cs } \\ 132.9 \end{gathered}$ | $\begin{array}{r} 56 \\ \mathbf{B a} \\ 137.3 \end{array}$ | $\begin{gathered} 57 \\ \mathbf{L a} \mathbf{a}^{*} \\ 138.9 \end{gathered}$ | $\begin{gathered} 72 \\ \text { Hf } \\ 178.5 \end{gathered}$ | $\begin{gathered} 73 \\ \mathbf{T a} \\ 180.9 \end{gathered}$ | $\begin{gathered} 74 \\ \mathbf{W} \\ 183.9 \end{gathered}$ | $\begin{gathered} 75 \\ \mathbf{R e} \\ 186.2 \end{gathered}$ | $\begin{gathered} 76 \\ \text { Os } \\ 190.2 \end{gathered}$ | $\begin{gathered} 77 \\ \mathbf{I r} \\ 192.2 \end{gathered}$ | $\begin{gathered} 78 \\ \text { Pt } \\ 195.1 \end{gathered}$ | $\begin{gathered} 79 \\ \mathbf{A u} \\ 197.0 \end{gathered}$ | $\begin{gathered} 80 \\ \mathbf{H g} \\ 200.6 \end{gathered}$ | $\begin{gathered} 81 \\ \text { T1 } \\ 204.4 \end{gathered}$ | $\begin{gathered} 82 \\ \mathbf{P b} \\ 207.2 \end{gathered}$ | $\begin{gathered} 83 \\ \mathbf{B i} \\ 209.0 \end{gathered}$ | $\begin{array}{\|c\|} \hline 84 \\ \mathbf{P o} \\ (209) \\ \hline \end{array}$ | $\begin{gathered} 85 \\ \text { At } \\ (210) \end{gathered}$ | $\begin{gathered} 86 \\ \mathbf{R n} \\ (222) \end{gathered}$ |
| 7 | $\begin{gathered} 87 \\ \mathbf{F r} \\ (223) \end{gathered}$ | $\begin{array}{r} 88 \\ \mathbf{R a} \\ 226 \\ \hline \end{array}$ | $\begin{gathered} 89 \\ \mathbf{A c}^{* *} \\ (227) \\ \hline \end{gathered}$ | $\begin{gathered} 104 \\ \mathbf{R f} \\ (261) \end{gathered}$ | $\begin{gathered} 105 \\ \mathbf{D b} \\ (262) \\ \hline \end{gathered}$ | $\begin{gathered} 106 \\ \mathbf{S g} \\ (263) \end{gathered}$ | $\begin{gathered} 107 \\ \mathbf{B h} \\ (264) \end{gathered}$ | $\begin{gathered} 108 \\ \text { Hs } \\ (265) \end{gathered}$ | $\begin{gathered} 109 \\ \text { Mt } \\ (268) \end{gathered}$ | $\begin{gathered} 110 \\ \text { Ds } \\ (271) \end{gathered}$ | $\begin{gathered} 111 \\ \mathbf{R g} \\ (272) \end{gathered}$ | $\begin{gathered} 112 \\ \mathbf{U u b} \end{gathered}$ | $\begin{aligned} & 113 \\ & \text { Uut } \end{aligned}$ | $\begin{gathered} 114 \\ \text { Uuq } \end{gathered}$ | $\begin{aligned} & 115 \\ & \text { Uup } \end{aligned}$ |  |  |  |

