Chemistry 115 Name

Dr. Cary Willard

Quiz 1a (20 points) February 1, 2011

All work must be shown to receive credit

1. (4 points) Round the following numbers to 3 significant figures and write them in scientific notation.
   1. 3758298950 km

3.76 x 109 km

* 1. 0.000320241713 sec

3.20 x 10-4 sec

1. (4 points) Perform the following calculation and give the answer to the correct number of significant figures
   1. 78.84 + 63.974 =

142.81

* 1. 67.363 x 0.140 x 104.3 =

984

1. (4 points)Give the name of the elements represented by the following two elemental symbols.
   1. S sulfur
   2. Zn zinc
2. (4 points) If a barrel has a volume of 79.5 L, what is the volume of the barrel in milliliters?
3. (4 points) A cat is 27.3 inches long from nose to tail. How long is the cat in centimeters?

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Quiz 1b (20 points) February 1, 2011

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1. (4 points) Round the following numbers to 3 significant figures and write them in scientific notation.
   1. 42028950 km

4.20 x 107 km

* 1. 0.0000641713 sec

6.42 x 10-5 sec

1. (4 points) Perform the following calculation and give the answer to the correct number of significant figures
   1. 49.242 + 71.84 =

121.08

* 1. 41.363 x 0.140 x 104.3 =

604

1. (4 points)Give the name of the elements represented by the following two elemental symbols.
   1. N nitrogen
   2. Ag silver
2. (4 points) If a barrel has a volume of 49.5 L, what is the volume of the barrel in milliliters?
3. (4 points) A cat is 31.9 inches long from nose to tail. How long is the cat in centimeters?

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Quiz 1c (20 points) February 3, 2011

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1. (4 points) Round the following numbers to 3 significant figures and write them in scientific notation.
   1. 964637898950 m/sec

9.65 x 1011 m/sec

* 1. 0.0000008452113 mm

8.45 x 10-7 mm

1. (4 points) Perform the following calculation and give the answer to the correct number of significant figures
   1. 80.50 + 21.816 =

102.32

0.186

1. (4 points)Give the name of the elements represented by the following two elemental symbols.
2. B boron
3. Cu copper
4. (4 points) A bronze statue has a mass of 4.37 kg, what is the mass of the statue in g?
5. (4 points) If a bottle of soda contains 3.75 quarts of soda, what is the volume of soda in milliliters?

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Quiz 1d (20 points) February 3, 2011

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1. (4 points) Round the following numbers to 3 significant figures and write them in scientific notation.
   1. 87378908950 m/sec

8.74 x 1010 m/sec

* 1. 0.000006344113 mm

6.34 x 10-6 mm

1. (4 points) Perform the following calculation and give the answer to the correct number of significant figures
   1. 58.40 + 63.278 =

121.68

0.143

1. (4 points)Give the name of the elements represented by the following two elemental symbols.
2. P phosphorous
3. Pb lead
4. (4 points) A bronze statue has a mass of 3.61 kg, what is the mass of the statue in g?
5. (4 points) If a bottle of soda contains 4.75 quarts of soda, what is the volume of soda in milliliters?