Chemistry 115 Name

Dr. Cary Willard

Quiz 1A (20 points) September 7, 2008

All work must be shown to receive full credit

1. (4 points) How many significant figures are in the following numbers
   1. 4.0399
   2. 0.000243
   3. 260000
2. (6 points) Perform the following calculations to the correct number of significant figures
3. (8 points) Perform the following conversions using dimensional analysis
   1. Convert 58.9 mg into kg
   2. Convert 3.64 feet into cm (remember there are exactly 2.54 cm in 1 inch)
4. (2 points) What is chemistry?

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Quiz 1B (20 points) September 7, 2008

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1. (4 points) How many significant figures are in the following numbers
   1. 4.009
   2. 0.0022943
   3. 267000
2. (6 points) Perform the following calculations to the correct number of significant figures
3. (8 points) Perform the following conversions using dimensional analysis
   1. Convert 75.9 mg into kg
   2. Convert 8.55 feet into cm (remember there are exactly 2.54 cm in 1 inch)
4. (2 points) What is chemistry?