Chemistry 115 Name

Dr. Cary Willard

Quiz 1C (20 points) September 8, 2008

All work must be shown to receive full credit

1. (4 points) How many significant figures are in the following numbers
	1. 3.654
	2. 0.00026
	3. 544000
	4. $6.44600 x 10^{43}$
2. (6 points) Perform the following calculations to the correct number of significant figures
	1. $93.533-85.4= $
	2. $0.9633×\frac{15.533}{0.850}=$
3. (8 points) Perform the following conversions using dimensional analysis
	1. Convert 3.92 X 10-4 kg into mg
	2. Convert 3.64 x 108 feet into km (remember there are exactly 2.54 cm in 1 inch)
4. (2 points) Give an example of a physical property?

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Quiz 1D (20 points) September 8, 2008

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1. (4 points) How many significant figures are in the following numbers
	1. 8.404
	2. 0.00039928
	3. 81000
	4. $2.7600 x 10^{43}$
2. (6 points) Perform the following calculations to the correct number of significant figures
	1. $252.33-170.4= $
	2. $0.8423×\frac{15.646}{0.850}=$
3. (8 points) Perform the following conversions using dimensional analysis
	1. Convert 7.44 X 10-4 kg into mg
	2. Convert 4.11 x 108 feet into km (remember there are exactly 2.54 cm in 1 inch)
4. (2 points) Give an example of a physical property?