Chemistry 141 Name

Dr. Cary Willard

Quiz 1A (20 points) September 3, 2009

1. (4 points) A sample of an alloy has a density of 7.29 g/mL Calculate the density of the alloy in ounces/gal?

2. (6 points) A 1.0 ounce piece of chocolate contains 15 g of caffeine, and a 6.0 oz cup of regular coffee contains 105 mg of caffeine. How many pieces of chocolate would you have to consume to get as much caffeine as you would from 2.0 cups of coffee?

2. (6 points) A new temperature scale has been devised. In this temperature scale, the freezing point of water is 58oD and the boiling point of water is 308oD. Convert 25oC into oD.

3. (4 points) Determine the number of protons, neutrons, and electrons and mass number for a 80Se--2 ion.

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Quiz 1B (20 points) September 3, 2009

1. (4 points) A sample of an alloy has a density of 5.64 g/mL Calculate the density of the alloy in ounces/gal?

2. (6 points) A 1.0 ounce piece of chocolate contains 15 g of caffeine, and an 8.0 oz cup of regular coffee contains 140 mg of caffeine. How many pieces of chocolate would you have to consume to get as much caffeine as you would from 2.0 cups of coffee?

2. (6 points) A new temperature scale has been devised. In this temperature scale, the freezing point of water is 58oD and the boiling point of water is 308oD. Convert 35oC into oD.

3. (4 points) Determine the number of protons, neutrons, and electrons and mass number for a 65Cu+2 ion.