Chemistry 141 Name

Dr. Cary Willard

Quiz 2a (20 points) February 3, 2011

All work must be shown to receive credit.

1. (14 points) A new temperature scale has been developed. In the Grossmont temperature scale, water boils at 492oG and freezes at 58oG.
	1. If the temperature of a block of copper is 48oC, calculate its temperature in oG.
	2. At what temperature will oC and oG be the same?
2. (6 points) Write and balance a chemical equation for the chemical reaction described below. If you do not know the correct formulas for the compounds you may buy them for a point apiece. Be sure to include all state labels.

Sulfuric acid is a component of acid rain formed when gaseous sulfur dioxide pollutant reacts with gaseous oxygen and liquid water to form aqueous sulfuric acid.

Chemistry 141 Name

Dr. Cary Willard

Quiz 2b (20 points) February 3, 2011

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1. (14 points) A new temperature scale has been developed. In the Grossmont temperature scale, water boils at 371oG and freezes at 85oG.
	1. If the temperature of a block of copper is 48oC, calculate its temperature in oG.
	2. At what temperature will oC and oG be the same?
2. (6 points) Write and balance a chemical equation for the chemical reaction described below. If you do not know the correct formulas for the compounds you may buy them for a point apiece. Be sure to include all state labels.

Nitric acid is a component of acid rain that forms when gaseous nitrogen dioxide pollutant reacts with gaseous oxygen and liquid water to form aqueous nitric acid.