Chemistry 115 Name Key

Dr. Cary Willard

Quiz 2E (20 points) September 17, 2008

All work must be shown to receive full credit

1. (6 points) Give the names of the following elements and compounds
	1. S

Sulfur

* 1. SF2

Sulfur difluoride

* 1. CrN

Chromium(III) nitride

1. (6 points) Give the Symbol/Formula for the following elements and compounds
	1. Chlorine

Cl

* 1. Zinc iodide

ZnI2

* 1. Carbon dioxide

CO2

1. (4 points) If the temperature outside is 45oC, what is the temperature in oF?

$$45℃×\frac{180℉}{100℃}=81℉ above freezing point$$

$$81℉+32℉=113℉$$

1. (4 points) An alloy is composed of silver and copper. If the alloy is 56.2% silver, how many grams of the alloy are required to provide 75.0 grams of silver?

$$?g alloy=75.0 g Aq×\frac{100 g alloy}{56.2 g Ag}=133 g alloy$$

Chemistry 115 Name Key

Dr. Cary Willard

Quiz 2F (20 points) September 17, 2008

All work must be shown to receive full credit

1. (6 points) Give the names of the following elements and compounds
	1. Al

Aluminum

* 1. NO2

Nitrogen dioxide

* 1. CuS

Copper(II) sulfide

1. (6 points) Give the Symbol/Formula for the following elements and compounds
	1. Magnesium

Mg

* 1. Potassium oxide

K2O

* 1. Dinitrogen tetroxide

N2O4

1. (4 points) If the temperature outside is 52oC, what is the temperature in oF?

$$52℃×\frac{180℉}{100℃}=94℉ above freezing point$$

$$94℉+32℉=126℉$$

1. (4 points) An alloy is composed of silver and copper. If the alloy is 18.4% silver, how many grams of the alloy are required to provide 75.0 grams of silver?

$$?g alloy=75.0 g Aq×\frac{100 g alloy}{18.4 g Ag}=408 g alloy$$