Chemistry 115 Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Quiz 4a

Dr. Cary Willard February 26, 2014

Avogadro’s number = 6.022 x 1023/mol

1. (4 points) How many airplanes are in a fleet of 5.28 x 10-22 mol airplanes?
2. (4 points) What is the mass in grams of 0.539 moles of tungsten(W)?
3. (4 points) How many atoms of selenium(Se) are in 8.20 mol of selenium?
4. (4 points) What is the molar mass of chromium(II) nitrate, Cr(NO3)2?
5. (4 points) How many atoms of oxygen are in 16 formula units of chromium(II) nitrate?