**Mini-quiz #12 Chemistry 1114 Mon 30 Sept 2013 A**

**8 pts**

**Your name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

12.1 Convert:

1. 0.0013 nL to \_\_1.3\_\_\_pL c) 30 µm to \_\_\_\_3\*10-8\_\_\_\_\_\_ km

0.0013n/p= 0.0013\*10-9/10-12=1.3 30 µm \* 10-6 m/µm \* 1 km/1000 m=3\*10-8

1. 50 ks to \_5\*107\_ ms d) 1 g/m to \_\_\_10\_\_\_\_\_\_\_\_ mg/cm

50\*103-(-3) =50\*10+6 =5\*107 numerator: 1 g/mg=1/10-3 = 1000 = 10

Denominator: 1 m/cm=1/10-2 =100

**Mini-quiz #12 Chemistry 1114 Mon 30 Sept 2013 B**

**8 pts**

**Your name:\_\_\_\_\_answers\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

* 1. Convert:

1. 0.031 μL to \_\_**3.1**\_\_pL c) 3000 µm to \_\_\_\_3\_\_\_\_\_\_\_ mm

0.031μ/p= 0.031\*10-6/10-12=3.1 \*104 3000 µm \* 10-6 m/µm \* 103mm/m=3

1. 100 ks to \_1011\_\_ µs d) 1 mg/cm to \_\_\_\_\_0.01\_\_\_\_\_\_ g/dm

1003-(-6) =100\*109 =1011 numerator: 1 mg/g = 0.001 =0.01

Denominator: 1cm/dm=1\*10-2/10-1= 0.1