

CHEM105 Unannounced Quiz 1
Please show all formulas and work to receive any credit

Name on back of paper only

1. Convert the following measurements into the stated units
 - a. 527.5 nm into meters
 - b. 2.3 pg into kilograms
 - c. 23,457,875 bytes into gigabytes
 - d. 50.2 μL into cubic centimeters

2. Silver has a density of 10.50 g/cm^3 at 298.15 K.
 - a. Determine the mass, in grams, that is equivalent to 5.00 ounces of silver (1 lb = 453.6 grams, 1 lb = 16 ounces).

 - b. Calculate the volume, in cm^3 , occupied by 5.00 ounces of silver.

 - c. Convert the calculated cm^3 in part b to deciliters (dL) of volume.