

Name _____
Chem 1710

Measurement Worksheet

Report all answers to the proper number of significant figures.

1. Convert 1.5×10^6 ng to kg

2. $\frac{(6.50 \times 10^8)(0.013)}{(1.756 \times 10^{-22})(3.4780 \times 10^3)}$

3. How many mm are in 1.00 yard?

4. 9.76×10^4 mL = _____ m^3

5. Determine the volume that 35.2 g of liquid will occupy if it has a density of 1.60 g/mL.

6. The density of ethanol is 0.789 g/mL. What is the mass of 150 cm^3 of this alcohol?