General Chemistry
Mr. MacGillivray
Dimensional Analysis Practice Problems

Make the following conversions:

1) 4.32 x 10^{-2} mL to L

2) 0.0655 kg to g

3) 4.62 x 10^3 cm to km

4) 7. 00 g/ml to kg/ml

5) 4.09 x 10^1 g/ml to g/L

6) 3.44 mg/s to kg/hr

7) 7.58 nm to km (1 billion nm = 1 m)

8) 7.58 cm to nm

9) A scientist measures that a glacier is moving at a speed of 219 nm per day. What is the speed of this glacier in km per decade?

10) Europe and North America are drifting apart from each other at a rate of 0.438 cm every year. How many years are required for the continents to drift 1.00 meter apart?