

Molarity

Molarity is a measure of concentration in units of moles per liter..

Conventions:

M=Molarity=moles/L

n=moles

m=mass

I. Molarity and Solution Concentration: Molarity is given the symbol M and represents the moles of solute dissolved in one liter of solution (mole/L).

(In Class)

I.a) What is the molarity of Aluminum sulfate if 4.67g are diluted to 100.0 mL with water?

I.b): What is the molarity of Aluminum ion if 4.67g of aluminum sulfate are diluted to 100.0 mL with water?

I.c): What mass of aluminum sulfate would you need to dilute to 50.0 mL to make a solution which is 0.700M in aluminum sulfate?