









If I have 20g KNO₃ dissolved in 500 mL of water: 1.What is the Molarity?

2. What is the % by mass of the solute?

3. What is the mole fraction of the solute?

4. What is the mole percent if the solute?



Lab Dilution

$$(0, IM)(SmL) = (I00mL) M_{L}$$

 $M_{2} = 8.605 M$
Stock Solution
 $0.008g CV$
 $407g/mol$ $0668g ImdCV = 0.0000192$
 $12 = (2 \times 10^{-5} M)$
 $1L = (2 \times 10^{-5} M)$
 $1L = (2 \times 10^{-5} M)$
 12×10^{-6}
 $1 = (2 \times 10^{-5} M)^{-100mL} M_{2}$
 $M^{LS} ConC$
 $1 = (2 \times 10^{-5} M)^{-100mL} M_{2}$
 $M^{LS} ConC$
 $1 = (2 \times 10^{-6} M)^{-100mL} M_{2}$
 $M = (M_{1})(V_{1}) = (M_{2})V_{2})$
 $IDmL(0.00002 M) = M_{2} \cdot 105mL$
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 $IDDmL$
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