-Zombie Answers 1 0.151 M 2 0.88 M 3 142 L 4 0.87 M 5 2400 To24 6 8.08 × 10⁻²¹ grams 7 1×10⁻¹¹ B 7.79×10⁻⁵ M 9 3.9 M 10 91 grams

I AM A BRAIN...

YOUR NAME _____

YOUR ZOMBIE PAL'S NAME___

What is the molarity of solution made by dissolving 0.340 moles of NH₄Br in enough water to make 2.25 L of solution?



seven	If you dissolved the molecules at STATION C in enough liquid to make 2.81x10 ⁻¹² L of solution what would be the molarity of the solution?
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nine	If you dissolve 35.0 grams of nitrogen monoxide in enough water to make a solution with 300 mL what wil the molarity be?
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I AM A BRAIN...

YOUR NAME _____

YOUR ZOMBIE PAL'S NAME_____

two

What is the molarity of solution made by dissolving 0.740 moles of NH_4Br in enough water to make 840. mL of solution?



six	What is the mass, in grams, of the molecules shown at STATION C?
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How m	nany grams of potassium nitrate will you
need to	o make a solution that has a volume of
1.20 L t	and has a molarity of 0.75 <u>M</u> ?

THE MOLECULES AT STATION C



"RETINOL", A NUTRIENT NECESSARY FOR VISION

CLASS

NOTES:

-	
	PURPOSE : WHAT ARE SOLUTES?
	WARMUP, Fill in, if you can guess any
ta	MEMORIZE THESE SULFURIC ACID HZSOY HUDROCHLOPICACID HCL PHOSPHORIC ACID H3POy CARBONIC ACID H2COZ
1	HOW THINGS DISSOLVE:
	SOLID CO CO
	SOLVENT SOLUTE
	CN is the solute and How is the solvert



$$S_{A} = S_{A} = S_{A$$

Gas volume and limiting reagent CAeMistry: http://genest.weebly.com Stop in for help every day at lunch and Tues & Thurs after school! 1. What is the volume of one mole of any gas at STP? 22.4 liters. Always. How many grams of potassium nitrate will you need to make a solution that has a volume of 1.20 L and has a molarity of 0.75<u>M</u>?
KM3 is 101.11 % of on periodic table moles = volume x concentration Concent. 0.75 M 50 .:. moles=(1.20L)x(0.752) 0.90 molx (101.119) = 91 grows KNO3 1.200 VOLUME indes= 0.90 miles mdes Directions: Turn the following into balanced equations by filling in the blanks with the correct coefficients, formulas of ions or solids, and names. Formula Name Cation Anion 3. Ba + barium iodide Bal2 ammonium sulfite 4 2 NH4 + 502 \rightarrow (NH4)2SO3 5. $\frac{2}{49^+}$ + $\frac{0^{2^-}}{35^{2^-}}$ $\rightarrow \frac{Ag_20}{Fe_2S_3}$ 6. $\frac{2}{Fe^{3^+}}$ + $\frac{3}{2}S^{2^-}$ $\rightarrow \frac{Fe_2S_3}{Fe_2S_3}$ silver oxide iron (III) sulfide 7. Mg+ + 2CL - MgCl2 magnesium chloride 8. $C_{a}^{24} + CO_{2}^{2-} \rightarrow C_{a}CO_{3}$ calcium carbonate 9. 1 Mg²⁺ + 2 NO2⁻ → Mg(NO2)2 magnesius nitrite copper/II) hydroxide $10.. _ (Cu^{2+} + 2OH^{-} \rightarrow C_{u}(OH)_{2}$ 11.2 K+ + CrOy Potassium chromate \rightarrow K₂CrO₄ 12. How many molecules are in 22.4 liters of steam? 22.4L = 1 mole = 6.02 × 1023 HzO molecules (no moth simple definitions from your notes 13. What is the molarity of solution made by dissolving 0.740 moles of NH4Br in enough water to make 1840. mL of solution? 840. mL of solution? concentration = Volume concertration answer, Concentration = 0.881 m Volume 0.840 L Concentration= (.740 Mpc) moles 14. What is the volume of 6.02×10^{23} molecules of Cl₂ gas at STP? that's a mole. the volume at STP is 22.4 liters !