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mixing two solutions, one with the cation and one with the anion in it. Because all solutions are electrically neutral, the two solutions mixed must also... 63 KB (6,979 words) - 00:17, 9 February 2024

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H⁺ in the solution. At 25 °C (77°F), solutions with a pH less than 7 are acidic, and solutions with a pH greater than 7 are basic. Solutions with a pH... 49 KB (6,168 words) - 05:52, 15 March 2024

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appear yellowish. It dissolves freely in water to give mildly acidic solutions. It is a mild reducing agent. Ascorbic acid exists as two enantiomers... 24 KB (2,364 words) - 16:05, 17 March 2024

predominant neptunium ion in solutions of pH 4–5. Neptunium(IV) Np(IV) or Np⁴⁺ is pale yellow-green in acidic solutions, where it exists as hydrated complexes... 110 KB (13,436 words) - 14:36, 14 March 2024

are relatively simple to distinguish from solutions and colloids, it may be difficult to distinguish solutions

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these homogeneous materials from physical mixtures of components. Two terms are mainly associated with solid solutions – solvents and solutes, depending... 15 KB (1,844 words) - 14:48, 21 February 2024

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mainly of the study of their solutions (the set of functions that satisfy each equation), and of the properties of their solutions. Only the simplest differential... 30 KB (3,650 words) - 22:56, 20 February 2024

supersaturation in Wiktionary, the free dictionary. In physical chemistry, supersaturation occurs with a solution when the concentration of a solute exceeds the... 18 KB (2,164 words) - 00:01, 8 November 2023

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Boiling Point Elevation
Freezing Point Depression
Osmotic Pressure Formula
Summary
Example Problem

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Learning the Content
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Concentration of a Solution
Find a Concentration
Mass Divided by Volume
Summary

Solutions Overview and Types - Solutions Overview and Types by Tyler DeWitt 174,426 views 2 years ago 12 minutes, 16 seconds - This is an overview of **solutions**, or homogeneous mixtures, which have a uniform and even composition. They are different from ...

Introduction
Solutions vs Not Solutions
Parts
solutes
rubbing alcohol
water vs alcohol
antifreeze
seltzer
liquid
aqueous
alloys
review

Water & Solutions - for Dirty Laundry: Crash Course Chemistry #7 - Water & Solutions - for Dirty Laundry: Crash Course Chemistry #7 by CrashCourse 2,066,951 views 10 years ago 13 minutes, 34 seconds - Dihydrogen monoxide (better known as water) is the key to nearly everything. It falls from the sky, makes up 60% of our bodies, ...

Polarity
Dielectric Property
Electrolytes
Molarity
Dilution

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What is a mixture?
properties of mixtures
Types of mixture - heterogeneous mixture & homogeneous mixture
Solutions

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Activity - Activity by Physical Chemistry 8,519 views 3 years ago 10 minutes, 53 seconds - For a non-ideal **solution**,, we can use the activity of a component to describe its effective concentration.

This allows us to continue ...

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Solutions: Crash Course Chemistry #27 - Solutions: Crash Course Chemistry #27 by CrashCourse 1,363,225 views 10 years ago 8 minutes, 20 seconds - This week, Hank elaborates on why Fugu can kill you by illustrating the ideas of **solutions**, and discussing molarity, molality, and ...

1. MOLECULAR STRUCTURE 2. PRESSURE 3. TEMPERATURE

CRASH COURSE

m (MOLALITY) NUMBER OF MOLES OF SOLUTE PER KILOGRAM OF SOLVENT mol kg

PARTIAL PRESSURE

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Molarity, Molality, Volume & Mass Percent, Mole Fraction & Density - Solution Concentration Problems - Molarity, Molality, Volume & Mass Percent, Mole Fraction & Density - Solution Concentration Problems by The Organic Chemistry Tutor 1,469,721 views 3 years ago 31 minutes - This video explains how to calculate the concentration of the **solution**, in forms such as Molarity, Molality, Volume Percent, Mass ...

Introduction

Volume Mass Percent

Mole Fraction

Molarity

Harder Problems

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