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Also found in: Thesaurus, Medical, Legal, Acronyms, Idioms, Encyclopedia, Wikipedia.Related to solution: suspension (s-looshn)n.1. a. A method or process of dealing with a problem: sought a solution to falling enrollments.b. The answer to a problem or the explanation for something: the solution to the mystery.2. a. A homogeneous mixture of two or more substances, such as solids, liquids, gases, or a combination of these.b. The process of forming such a mixture.c. The state of being dissolved: nitrogen that is in solution in the ocean.3. Archaic The act of separating or breaking up; dissolution.[Middle English, from Old French, from Latin solti, soltin-, from soltus, past participle of solvere, to loosen; see solute.]American Heritage Dictionary of the English Language, Fifth Edition. Copyright 2016 by Houghton Mifflin Harcourt Publishing Company. Published by Houghton Mifflin Harcourt Publishing Company. All rights reserved. (slun) n1. (Chemistry) a homogeneous mixture of two or more substances in which the molecules or atoms of the substances are completely dispersed. The constituents can be solids, liquids, or gases2. (Chemistry) the act or process of forming a solution3. (Chemistry) the state of being dissolved (esp in the phrase in solution)4. (Chemistry) a mixture of two or more substances in which one or more components are present as small particles with colloidal dimension; colloid: a colloidal solution. 5. a specific answer to or way of answering a problem6. the act or process of solving a problem7. (Mathematics) maths a. the unique set of values that yield a true statement when substituted for the variables in an equationb. a member of a set of assignments of values to variables under which a given statement is satisfied: a member of a solution set8. (Pathology) the stage of a disease, following a crisis, resulting in its termination9. (Law) law the payment, discharge, or satisfaction of a claim, debt, etc[C14; from Latin solti an unloosing, from soltus; see solute]Collins English Dictionary Complete and Unabridged, 12th Edition 2014 HarperCollins Publishers 1991, 1994, 1998, 2000, 2003, 2006, 2007, 2009, 2011, 2014 (slu n) n. 1. the act or process of solving a problem, 2. the state of being solved, 3. an answer to a problem, 4. a, the process by which a gas, liquid, or solid is dispersed homogeneously in a gas, liquid, or solid without chemical change, b. a homogeneous molecular mixture of two or more substances. [1325?; Middle English < Latin solti, derivative of sol-, variant s. of solvere to loosen, dissolve (see solve)] Random House Kernerman Webster's College Dictionary, 2010 K Dictionaries Ltd. Copyright 2005, 1997, 1991 by Random House, Inc. All rights reserved. (s-looshn)1. Chemistry A mixture in which particles of one or more substances are distributed uniformly throughout another substance, so that the mixture is homogeneous at the molecular or ionic level. The particles in a solution are smaller than those in either a colloid or a suspension. Compare colloid, suspension. 2. Mathematics A value or values which, when substituted for a variable in an equation, make the equation true. For example, the solutions to the equation x2 = 4 are 2 and -2.Did You Know? A solution is a homogeneous mixture of two substances that is, it has the same distribution of particles throughout. Technically speaking, a solution consists of a mixture of one or more solutes dissolved in a solvent. The particles of solute and solvent are molecules or ions, with one or more solvent molecules bound to each solute particle. Both the solvent and the solute can be solid, liquid, or gas, but the solvent is usually liquid. We use solutions every day without realizing it. The ammonia with which we clean windows and floors is a solution of ammonia gas in water. The vinegar we sometimes put on salads is a solution of acetic acid (a liquid) and water. And seawater is a solution of sodium chloride (a solid) and water. Other common solutions are gasoline and metal alloys, including the solution of copper and nickel that gets minted as dimes, nickels, and quarters.The American Heritage Student Science Dictionary, Second Edition. Copyright 2014 by Houghton Mifflin Harcourt Publishing Company. Published by Houghton Mifflin Harcourt Publishing Company. All rights reserved. cut the Gordian knot To resolve a situation or solve a problem by force or evasive action; to take action quickly, decisively, and boldly.Turn him to your any cause of policy, The Gordian knot of it he will unloose. (Shakespeare, Henry V, I, 1)According to Greek legend, Phrygia (now part of Turkey) was in need of a leader to end its political and economic woes. The local oracle foretold that a man fit to be king would enter the city in a cart. Shortly thereafter, Gordius, a peasant, rode into town in an ox-cart which was connected to the yoke by an intricate knot made of bark. After being proclaimed king, Gordius dedicated the cart to Zeus, whereupon the oracle predicted that whoever was able to undo the knot would rule over all of Asia. In 333 B.C., Alexander the Great reputedly entered the temple and cut the knot with his sword, thus fulfilling the prophecy. The expression cut the knot is a variation.deus ex machina See RESCUE.A hair of the dog that bit you See FOOD and DRINK.hammer out To work out laboriously or with much intellectual effort; to figure out, to settle, to resolve. This verb phrase usually appears in a context implying that opposing and conflicting forces have resolved differences or tensions. The term was clearly coined as the figurative extension of the literal pounding and hammering of a blacksmith as he shapes metal objects,just what the doctor ordered Something desirable or restorative. A product of our health- and medicine-conscious culture, this expression is said of anything a person, a substance, an ideawhich has a soothing, palliative, make-it-all-better effect.The waiter brought her a drink. Just what the doctor ordered, she said, smiling at him. (Gore Vidal, City and Pillar, 1948)open sesame Any agency through which a desired result is realized; the key to a mystery or other perplexing situation; any real or magic act that brings about wanted fame, acceptance, etc. This saying comes from The Arabian Nights (1785) where it was used by Ali Baba as the password to open up the door of a robbers hideaway.Ali Baba perceiving the door, saidOpen, sesame.The expression was perhaps derived homonymously from open-says-me.Your name shall be a Sesame, at which the doors of the great shall fly open. (Charles Calverley, Verses and Translations, 1862)pull out of a hat To come up unexpectedly with a response or solution, often in the nick of time, when all else has failed. This expression appeared in print during the mid-1900s. It alludes to the magicians trick of pulling a rabbit out of a hat.I must say youve really pulled one out of the hat this time. (J. McClune, Steam Pig, 1971)Rosetta table The agency through which a puzzle is solved; something that provides the initial step in the understanding of a previously incomprehensible design or situation. The Rosetta stone, discovered in 1799 by the French engineer M. Boussard, is an ancient basalt table which bears inscriptions in two languagesEgyptian and Greekand three alphabetshieroglyphic, demotic (a cursive type of Egyptian hieroglyphics), and Greek. This archaeological windfall furnished the key to translating the hitherto indecipherable Egyptian hieroglyphics. The expressions current figurative use as a reference to the first clue in unraveling a mystery was illustrated by Ellsworth Ferris, as cited in Websters Thirid.This book can be its own Rosetta stone and it is an interesting game to try to ferret out meanings by comparing passages till the puzzle is solved.Picturesque Expressions: A Thematic Dictionary, 1st Edition. 1980 The Gale Group, Inc. All rights reserved.A uniform mixture of one or more solutes in a solvent. It usually refers to solids dissolved in liquids but can also refer to gases in liquids, gases in solids, etc.Dictionary of Unfamiliar Words by Diagram Group Copyright 2008 by Diagram Visual Information Limited Noun1.solution - a homogeneous mixture of two or more substances; frequently (but not necessarily) a liquid solution; "he used a solution of peroxide and water"saltiness - the property of containing salt (as a compound or in solution)brine - a strong solution of salt and water used for picklingnormality, N - (of a solution) concentration expressed in gram equivalents of solute per liter solubility - the quantity of a particular substance that can dissolve in a particular solvent (yielding a saturated solution)mixture - (chemistry) a substance consisting of two or more substances mixed together (not in fixed proportions and not with chemical bonding)aqueous solution - a solution in watercongo red - a red-brown azo dye especially as a chemical pH indicator (congo red is red in basic and blue in acidic solutions)bleach liquor - a solution containing bleaching agents that is used to bleach textiles or paper pulpbuffer solution - a solution containing a buffer compound and a colorless syrupy solution of pyroxilin in ether and alcohol; used as a coating for wounds or photographic filmchlorine water - an aqueous solution of chlorine used as a bleaching agentconjugate, conjugate solution - a mixture of two partially miscible liquids A and B produces two conjugate solutions: one of A in B and another of B in A dilution - a diluted solutionelectrolyte - a solution that conducts electricity; "the proper amount and distribution of electrolytes in the body is essential for health"eluate - a liquid solution that results from elutionFehling's solution - a liquid solution of copper sulfate and potassium tartrate and sodium hydroxide that is used to test for sugar in the urine; solution turns reddish when sugar is presentformalin, formol - a 10% solution of formaldehyde in water; used as a disinfectant or to preserve biological specimensgargle, mouthwash - a medicated solution used for gargling and rinsing the mouthextract, infusion - a solution obtained by steeping or soaking a substance (usually in water)injectant, injection - any solution that is injected (as into the skin)liquid bleach - a solution containing bleaching agents; used for laundryfluorescein, fluoresceine, fluorescent dye, resorcinolphthalein - a yellow dye that is visible even when highly diluted; used as an absorption indicator when silver nitrate solution is added to sodium chloride in order to precipitate silver chloride (turns pink when no chloride ions are left in solution and negative fluorescein ions are then absorbed)sap - a watery solution of sugars, salts, and minerals that circulates through the vascular system of a plantprimary solid solution, solid solution - a homogeneous solid that can exist over a range of component chemicals; a constituent of alloys that is formed when atoms of an element are incorporated into the crystals of a metalGram's solution - a solution used in staining bacteria by Gram's method; consists of one part iodine and two parts potassium iodide and 300 parts watertoner - a solution containing chemicals that can change the color of a photographic print2.solution - a statement that solves a problem or explains how to solve the problem; "they were trying to find a peaceful solution"; "the answers were in the back of the book"; "he computed the result to four decimal places"answer, result, solvent, resolutionstatement - a message that is stated or declared; a communication (oral or written) setting forth particulars or facts etc; "according to his statement he was in London on that day"denouement - the final resolution of the main complication of a literary or dramatic work3.solution - a method for solving a problem; "the easy solution is to look it up in the handbook"method - a way of doing something, especially a systematic way; implies an orderly logical arrangement (usually in steps)silver bullet - a simple guaranteed solution for a difficult problem; "no silver bullet can make the world safe from terrorism"4.solution - the set of values that give a true statement when substituted into an equationset - (mathematics) an abstract collection of numbers or symbols; "the set of prime numbers is infinite"5.solution - the successful action of solving a problem; "the solution took three hours"success - an attainment that is successful; "this success in the marathon was unexpected"; "his new play was a great success"Based on WordNet 3.0, Farlex clipart collection. 2003-2012 Princeton University, Farlex Inc.noun1. answer, resolution, key, result, solving, explanation, unfolding, unravelling, clarification, explication, elucidation the ability to sort out effective solutions to practical problemsCollins Thesaurus of the English Language Complete and Unabridged 2nd Edition. 2002 HarperCollins Publishers 1995, 2002nounSomething worked out to explain, resolve, or provide a method for dealing with and settling a problem:The American Heritage Roget's Thesaurus. Copyright 2013, 2014 by Houghton Mifflin Harcourt Publishing Company. Published by Houghton Mifflin Harcourt Publishing Company. All rights reserved. Collins Spanish Dictionary - Complete and Unabridged 8th Edition 2005 William Collins Sons & Co. Ltd. 1971, 1988 HarperCollins Publishers 1992, 1993, 1996, 1997, 2000, 2003, 2005 [slun] n (= answer) (to problem, difficult situation, puzzle) solution fa solution to sth une solution qchCollins English/French Electronic Resource. HarperCollins Publishers 2005Collins German Dictionary Complete and Unabridged 7th Edition 2005, William Collins Sons & Co. Ltd. 1980 HarperCollins Publishers 1991, 1997, 1999, 2004, 2005, 2007 [slu/n] n soluzione iCollins Italian Dictionary 1st Edition HarperCollins Publishers 1995 [solubl] adjective1. able to be dissolved or made liquid. This dye is soluble in water. oplosbaar solvel rozpuštn lsbar opelsig soluble lahustuv luketava soluble , topiliv , rastopljiv oldi bisa dilarutkan uppleysanlegur soluble tirpstans , tiprus stos boleh larut oplosbaaropelsigrozpuštzalny (solute solubil rozpuštn topiliv rastvorljiv lsbar , lsig erysibilir , zm c h ta han 2, (of a problem, difficulty, etc) able to be solved ' oplosbaar solvel ettein lsbar lsigl que se puede solucionar lahendatav ratkaistavissa oleva soluble rjeiv megoldhat bisa dipecahkan leysanlegur risolvibile sprendimas [risinsms boleh diselesaikan oplosbaar som kan les do rozwizania solvel rezolvabil rieiten reijiv roiv lsbar , lsig zebilir , zm mmkn () ' c h gi quyt , gi l thc solution (slun) noun1. an answer to a problem, difficulty or puzzle, the solution to a crossword, oplossing soluc roezen die Lsung lsnung solucin lahendus ratkaisui solution rjeenje, odgonetka megfejtis pemecahan raunsa soluzione sprendimas atrinsjums; atminjums pnyelesaian oplossingslnsingrozwizanie soluo soluae rozlenie reitrev reenje lsnng zm , cevap , ' giu pph , cch gi quyt 2, the act of finding such an answer, oplossing vind soluo een die Lsung lsnung solucin lahendamine ratkaiseminen solution rjeavanje megolds pemecahan ming soluzione , sprendimas atrisinana jalan pnyelesaian oplossingproblemsningrozwizanie resoluio solutionare rieenie reevanje reenje lsande , lsnng zm , are () ' li giu , bi giu 3. a liquid with something dissolved in it. a solution of salt and water, oplossing soluc roztok die Lsung opelsing solucin lahus liuos solution , otolina , rastvor oldat larutan upplausn soluzione tirpalas dums larutan oplossingslnsingroztwr soluo soluae roztok raztopina rastvor lsnng eryik dung dch , s ha tan Kernerman English Multilingual Dictionary 2006-2013 K Dictionaries Ltd. een lsnng Lsung solucin ratkaisui solution rjeenje soluzione oplossing lsnng rozwizanie solutio lsnung zm cch gi quyt Multilingual Translator HarperCollins Publishers 2009English-Spanish Medical Dictionary Farlex 2012Collins Multilingual Translator HarperCollins Publishers 2009 n solucin f; buffer solucin tampn, solucin amortiguadora: electrolyte suero fisiológico, solucin electrolitica; normal saline solucin salina normal, suero (fam); oral rehydration solucin or suero de rehidratacin oralEnglish-Spanish/Spanish-English Medical Dictionary Copyright 2006 by The McGraw-Hill Companies, Inc. All rights reserved. Want to thank TFD for its existence? Tell a friend about us, add a link to this page, or visit the webmaster's page for free fun content. link to this page. The second, in divide both of the difficulties unequal solution into as many parts as possible, and as might be necessary for its adequate solution.It was in old days, with our learned men, an interestng and oft-investigated question, "What is the origin of light?" and the solution of it has been repeatedly attempted, with no other extraordinary riddle, entered into a full detail of all the circumstances connected with it. solute carrier organic anion transporter family, member 6A solute carrier organic anion transporter family, member 1A2 solute carrier organic anion transporter family, member 1B1 solute carrier organic anion transporter family, member 1B3 solute carrier organic anion transporter family, member 1C1 solute carrier organic anion transporter family, member 2A1 solute carrier organic anion transporter family, member 2B1 solute carrier organic anion transporter family, member 3A1 solute carrier organic anion transporter family, member 4A1 solute carrier organic anion transporter family, member 4C1 solute carrier organic anion transporter family, member 5A1 solute carrier organic anion transporter family, member 6A1 solute compartmentation solute diuresis solute diuresis solute diuresis solute diuresis Solute-Linked Carrier Solutes Solutes Solutes Solutes Solutes de Rhydratation Orale Solutes in Middle Molecular Weight Range solutio solutio solutio solutio Solutio pretii solutionSolution (chemistry) Solution (chemistry) Solution (chemistry) Solution (chemistry) Solution (disambiguation) Solution Accelerators Security and Compliance Solution and European Union Party Solution Architecture Document Solution Area Planner Solution Assay Instrument Solution Assurance Product Review Solution Assurance Review Solution Based Modelling Solution Build Model Solution Building Block solution ceramic Solution Consultant Solution Consultant Manager Solution Corporate Finance Limited Solution Datacom Incorporated Solution Definition Document Solution Deliverables List Solution Delivery Officer Solution Demonstration Laboratory Solution Deployment Descriptor Solution Deployment Management System Solution Design Document Solution Development Environment Solution Development Prompter Solution Dyeed Nylon solution, in chemistry, a homogeneous mixture of two or more substances in relative amounts that can be varied continuously up to what is called the limit of solubility. The term solution is commonly applied to the liquid state of matter, but solutions of gases and solids are possible. Air, for example, is a solution consisting chiefly of oxygen and nitrogen with trace amounts of several other gases, and brass is a solution composed of copper and zinc.A brief treatment of solutions follows. For full treatment, see liquid: Solutions and solubilities. The ability of a solid to dissolve in a liquid is called solubility. The ability of liquids to dissolve other fluids or solids has many practical applications. Chemists take advantage of differences in solubility to separate and purify materials and to carry out chemical analysis. Most chemical reactions occur in solution and are influenced by the solubilities of the reagents. Materials for chemical manufacturing equipment are selected to resist the solvent action of their contents. Liquid: Solutions and solubilities The liquid in a solution is customarily designated the solvent, and the substance added is called the solute. If both components are liquids, the distinction loses significance; the one present in smaller concentration is likely to be called the solute. The concentration of any component in a solution may be expressed in units of weight or volume or in moles. These may be mixed,g, moles per litre and moles per kilogram.Crystals of some salts contain lattices of ions,i.e., atoms or groups of atoms with alternating positive and negative charges. When such a crystal is to be dissolved, the attraction of the oppositely charged ions, which are largely responsible for cohesion in the crystal, must be overcome by electric charges in the solvent. These may be provided by the ions of a fused salt or by electric dipoles in the molecules of the solvent. Such solvents include water, methyl alcohol, liquid ammonia, and hydrogen fluoride. The ions of the solute, surrounded by dipolar molecules of the solvent, are detached from each other and are free to migrate to charged electrodes. Such a solution can conduct electricity, and the solute is called an electrolyte.The potential energy of attraction between simple, nonpolar molecules (nonelectrolytes) is of very short range; it decreases approximately as the seventh power of the distance between them. For electrolytes the energy of attraction and repulsion of charged ions drops only as the first power of the distance. Accordingly, their solutions have very different properties from those of nonelectrolytes.It is generally presumed that all gases are completely miscible (mutually soluble in all proportions), but this is true only at normal pressures. At high pressures, pairs of chemically dissimilar gases may very well exhibit only limited miscibility. Many different metals are miscible in the liquid state, occasionally forming recognizable compounds. Some are sufficiently alike to form solid solutions (see alloy). DIVERSITY, EQUITY & INCLUSION STATEMENT: Solutions Behavioral Healthcare Professionals (Solutions) intends to create, nurture, and sustain an inclusive culture for its clientele, community partners, and employees. It respects and values individual differences, embracing diversity as an organizational strength, and seeking continued opportunity for growth and understanding. Solutions will take reasonable steps to ensure that persons with limited English proficiency have meaningful access and equal opportunity to participate in services. It is the policy of Solutions that no person is denied access to services as the result of the inability or limited ability to communicate in the English language. All interpreters, translators, and other aids needed to comply with this policy shall be provided without cost to the person being served. Solutions shall encourage cultural humility in its practices, supporting self-reflection, an understanding of the complexity of identities, and an openness to learn from others. Solutions Behavioral Healthcare Professionals is committed to creating an equal and inclusive work environment, and shall strive to recruit, retain, and promote a diverse mix of colleagues who are representative of the diversity in its local communities.Sliding Fee Discount Program: A discounted/sliding fee schedule is available based on family size and income. Clients wishing to apply for the Sliding Fee Discount Program will be provided an application. No one will be denied access to services due to inability to pay. Were here to help. Follow this quick guide to get the support you need. We know it can be frustrating finding the right person who can help. Lets figure out your account type and dedicated support team.1 Log in to your account Sign in on Chase Business Online (chase.com) or the Chase Mobile app.2 View your dashboard Make sure you are on the home screen/dashboard that displays your accounts.3 Identify your account Find your account name and choose it from the tabs below for contact information.Chase Business Complete BankingIf you have a Chase Business Complete Banking account and accept card payments using the Chase POS System activated with QuickAccept, use the information below. Call 1-888-659-4961 or explore this page to get support. Refer to the image below to make sure the example matches what you see in your account. If you have a Payment Solutions account, you use QuickAccept. Call 1-888-659-4961 or explore this page to get support. Refer to the image below to make sure the example matches what you see in your account. If you have a Merchant Services account, you use a standalone solution. Call 1-888-886-8869 or explore this page to get support. If you need help navigating the automated phone system, go to this page. Refer to the image below to make sure the example matches what you see in your account. Looking for help with something else? Call 800-242-7338 for help with your Chase business banking account. Disputes Call 800-333-3372 for help with disputes and chargebacks or go here. Appeals Email ms.fraud.ops.appeals@chase.com to appeal decisions like account closures (for Chase Payment Solutions and Chase Business Complete Banking account users) Weve got you covered with in-depth product and account support available 24/7 online. Fraud Watch Scammers spoof phone numbers to look local or familiar. Don't rely on caller ID or text headers. When in doubt, call us. noun as in answer, resolutionStrongest matchesexplanation, quick fix, resultWeak matchesBand-Aid, pay dirt, the ticket, unraveling, unravelmentnoun as in mixture of liquid and another substanceStrong matchesblend, compound, dissolvent, elixir, emulsion, extract, fluid, juice, mix, sap, solvent, suspensionExamples have not been reviewed.Aster uses veracity to dig into his audiences skin, conjuring memories that most have spent the last five years distancing themselves from, without presenting any practical solutions for this unearthed trauma.But one of the world's current solutions is according to locals exacerbating this.Representatives of the doctors' union, the BMA, said the discussions so far have involved looking at "creative solutions" and "nothing is off the table".Organisers said they had worked through the night to come up with solutions.In an update posted on the festival's website, organisers said the campsite would still open on Thursday as planned, and that the focus was "on finding solutions for the festival weekend".From Roget's 21st Century Thesaurus, Third Edition Copyright 2013 by the Philip Lief Group.Browse#aabccddeeffghijjjklmmnnnooppqrrsstuuuvwxxyzzAboutCareersContact usCookies, terms, & privacyHelpFollow usGet the Word of the Day every day! 2025 Dictionary.com, LLC noun jump to other results [countable] a way of solving a problem or dealing with a difficult situation synonym answerAttempts to find a solution have failed.To propose/offer/provide/develop a solutionto look for/seek a solutionIt was decided that the only solution was for him to leave the company.an easy/innovative solutiona possible/practical/long-term solutionDo you have a better solution? solution to something There's no simple solution to this problem.the solution to a crisis/an issueWill this lead to a peaceful solution of the conflict?Technology must become part of the solution, rather than part of the problem.Extra ExamplesHis plan does not offer a real solution to the problem.The UN representative stressed the urgency of a speedy solution.The industry needs to look for technological solutions to their problems.They were seeking an ultimate solution to the city's traffic problem.We need to make sure that it is a realistically workable solution.simple, effective storage solutions a leading provider of management solutions Oxford Collocations Dictionaryadjectivecompletecomprehensivepartialverb + solutionlook forseekwork towards/towardprepositionphrasesSee full entry [countable] an answer to a puzzle or to a problem in mathematicsAll the problems have solutions at the back of the book. solution to something The solution to last week's quiz is on page 81.She wrote the solution of the equation on the board.Topics Maths and measurements2 [countable, uncountable] a liquid in which something is dissolved (= mixed in so that it forms part of the liquid)an alkaline solutionasaline solution in solution carbon dioxide in solutionWordfinderadicatalystchemistrycompoundformulamoleculephreaticstonsvalencyTopics Physics and chemistry2Oxford Collocations Dictionaryadjectiveconcentratedstrongdilutesolution + verbbrepositionSee full entry [uncountable] the process of dissolving a solid or gas in a liquidthe solution of glucose in water Word Originate Middle English: from Old French, from Latin solutio(=n), from solvere loosen.See solution in the Oxford Advanced American Dictionarya solution of Academic English Nearby words soluble adjective solute noun solvable adjective solve verb hat-trick noun From the Topic Sports C2 Oxford Learner's Dictionaries Word of the Day A solution is defined as a homogenous mixture which mainly comprises two components namely solute and solvent.For example, salt and sugar is a good illustration of a solution. A solution can be categorized into several components.Read more Homogeneous MixtureTable of Contents On the basis of physical states of solvent and solute can be categorized as solid, liquid and gaseous solutions.In solid solutions, solute and solvent are in the solid-state. For example ceramics and polymer blends. In liquid solutions, solid, gas or liquid is mixed in a liquid state. Gaseous solutions are usually homogenous mixtures of gases like air. Depending upon the number of solutions and solutes, it can be classified into dilute and concentrated solutions. Different Types of SolutionsDepending upon the dissolution of the solute in the solvent, solutions can be categorized into supersaturated solution, unsaturated and saturated solutions.A supersaturated solution comprises a large amount of solute at a temperature wherein it will be reduced, as a result the extra solute will crystallize quickly.An unsaturated solution is a solution in which a solvent is capable of dissolving any more solute at a given temperature.A saturated solution can be defined as a solution in which a solvent is not capable of dissolving any more solute at a given temperature.The solutions are of two forms, depending on whether the solvent is water or not.Aqueous solution When a solute is dissolved in water the solution is called an aqueous solution. Eg, salt in water, sugar in water and copper sulfate in water.Non-aqueous solution When a solute is dissolved in a solvent other than water, it is called a non-aqueous solution. Eg, iodine in carbon tetrachloride, sulphur in carbon disulfide, phosphorus in ethyl alcohol.Solutions are spoken of as having two components, the solvent and the solute. Another classification of the solution depends on the amount of solute added to the solvent.A dilute solution contains a small amount of solute in a large amount of solvent.A concentrated solution contains a large amount of solute dissolved in a small amount of solvent. Recommended VideosTypes of SolutionsMost Important Questions From Solutions MixturesA mixture is composed of two or more substances, but they are not chemically combined. In contrast, the compound contains various elements that are bonded to each other. For instance, consider a mixture of salt, that is when salt is dissolved in water it is a mixture but ideally, salts consist of two components namely sodium and chlorine.Here Sodium and Chlorine are bonded together with the electrostatic force of attraction to form sodium chloride even though there is no chemical bond between water and salt in the mixture. Hence, matter can be classified as mixtures, compounds and elements. Further mixtures can be classified as homogeneous and heterogeneous mixtures.Read in Detail MixturesHomogenous and Heterogeneous SolutionsHomogeneous solutions are solutions with uniform composition and properties throughout the solution. For example a cup of coffee, perfume, cough syrup, a solution of salt or sugar in water, etc.Heterogeneous solutions are solutions with non-uniform composition and properties throughout the solution. A solution of oil and water, water and chalk powder and solution of water and sand, etc.ExamplesAerated drinks, Salt-water or Sugar water mixtures, and fruit juices are some examples for solutions. Some solutions are heterogeneous in nature, and they are termed as suspension.Such suspended particles can be seen quite clearly in the solution. Hence, when light is passed through such solutions, it scatters in different directions. Medicated syrups are one of the finest examples in this.A True Solution is a homogeneous combination of two or more components immersed in a solvent with a particle size of less than 10-9 m or 1 nm. Example: The basic solution of sugar in water. By using filter paper that is often not noticeable to the naked eye, particles cannot be separated from real solutions.Vinegar, which can contain flavourings, is an aqueous solution of acetic acid and trace chemicals. Usually, vinegar contains 5 to 8 percent acetic acid by amount. The fermentation of ethanol or sugars by acetic acid bacteria normally produces acetic acid.A solution is a combination of liquid and solute molecules that is homogeneous. Water, compounds or gaseous may be a solution. In certain cases, the solution consists of a number of various kinds of solutes, such as salts, oxygen, and organic compounds, including seawater.Examples of liquids at room temperatures include water, mercury, palm oil, and ethanol. While francium, cesium, gallium, and rubidium liquefy at slightly elevated temperatures, Mercury is the only metallic element that is a liquid at room temperature.Whether two fluids can be combined to form a solution, they are considered miscible. Whether two fluids cannot be mixed to form a solution, they are considered immiscible. Alcohol and water are an example of miscible liquids. Oil and water are an example of immiscible liquids.Read moreHeterogeneous and homogeneous mixture

Why should we reduce plastic pollution. What are some ways to reduce plastic pollution. What can we do to reduce plastic pollution. What are some solutions to plastic pollution. Solving plastic pollution.

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- literary devices in everyday use story
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