# Section 15.1 What are solutions?

in your fortbook, read about the characteristics of solutions.

larrach of the terms below just more to complete the parages.

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type of substices. If one liquid is widdle in another liquid, such as scetic acid in water, the Respect of one liquid is insufable in another. focuser or year gas doubles in a submit, responsasubstance. A substance that does not dissolve to despression for the format in the party and subsequent the marghe. tolutor ø Programment of 2000 mobile THE ST District or Other Month of the E - 1 - 1 - 1 W. S. в 鸖

final about solution in appears solution in your bestood

The diagram shows the hydration of wild sodium oblesitis to form an aspersor solution. Use the diagram to answer the following specifiems.



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Solvation is the process of sumounding solute particles with solvent particles to Seatlest to Mark school: 20.00 form a tolution.

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M. As solum chinik doobes is upp, what hypers to the column of chinis use? ä The sodium and chloride ions are separated and surrounded by mater molecules.

Because the sodium ion is positively charged, it attracts the negatively charged 76 chloride ion is negatively charged, it attracts the positively charged portion charged portion of the water molecule (the hydrogen atoms). Because the portion of the water molecule (the oxygen atom) and repels the positively Explain the receivation of the water molecules around the reclaim tons and obtainfollows. the water molecule and repels the negatively charged portion.

How does the samplift of the attacking between water indicable and sedimn and obsolots conceputer with the stoogth of the attacking between the column som and thinks have "Born do you know ø.

The attraction between the water molecules and the sodium and chloride lons is strength of attaction between the water molecules and the ions is what causes greater than the attaction between the sodium and chloride ions. The greater the solvation process to extra

stiring or shaking the solution, breaking the solute into smaller pieces, and G. List there was that the rate of solvation may be increased. heating the solvent

is your tenthook, read about heat of solution, solubility, and factors that affect solubility

For each statement below, write iron or John

The overall energy change that occurs when a substeas forms is called the heart where ø

are of the minimum propert of solate that dissolves in a gives amount of whost at a specified temperature and S. Schilder o mo š

16. Solvation continues to long as the orbition rate is less than the ŝ

17. In a neutral relation, schools and contribution are in equilibri Ž

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The solubility of a gas dissolved in a liquid documen as the temperature of the column across 2 2

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**Rosina Ehmann** 

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