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salt definition in general chemistry in introductory chemistry courses a salt is a compound forming from a neutralization reaction between an acid and a base where the base exchanges its cation typically a metal with the hydrogen ion H^+ of the acid forming a salt and water in chemistry a salt or ionic compound is a chemical compound consisting of an ionic assembly of positively charged cations and negatively charged anions which results in a neutral compound with no net electric charge the constituent ions are held together by electrostatic forces termed ionic bonds salts are ionic compounds some common salts sodium chloride $NaCl$ the salt we eat sodium fluoride NaF in many toothpastes calcium chloride $CaCl_2$ used to melt ice on roads magnesium sulfate $MgSO_4$ is epsom salt lithium nitrate $LiNO_3$ gives color to red fireworks 3.5k 304k views 8 years ago chemistry learn the basics about what salts are as part of the overall topic of acids and bases subscribe to the fuse school youtube channel for many more salt also called sodium chloride mineral substance of great importance to human and animal health as well as to industry the mineral form halite or rock salt is sometimes called common salt to distinguish it from a class of chemical compounds called salts learn more about salt in this article 13 you are the salt of the earth but if the salt loses its saltiness how can it be made salty again it is no longer good for anything except to be thrown out and trampled underfoot 14 you are the light of the world mahaty 4 years ago perhaps they gain the characteristic of their dominant parent the acid or base whichever is stronger would decide the properties and character of the salt for example $NaOH$ HCl $NaCl$ H_2O since both the acid and base are strong the salt produced would be neutral strong base strong acid neutral salt about transcript the pH of a salt solution is determined by the relative strength of its conjugated acid base pair salts can be acidic neutral or basic salts that form from a strong acid and a weak base are acid salts like ammonium chloride NH_4Cl in common usage salt is a mineral composed primarily of sodium chloride $NaCl$ when used in food especially in granulated form it is more formally called table salt in the form of a natural crystalline mineral salt is also known as rock salt or halite salt is essential for life in general and saltiness is one of the basic human tastes since acids and bases can be weak or strong there are four types of salts that can result and these will result in neutral acidic or basic solutions that is the acid can be strong S_a or weak W_a and the base can be strong S_b or weak W_b salt of strong acid and strong base salt of strong acid and weak base salt of weak acid and salts when placed in water will often react with the water to produce H^+ or OH^- this is known as a hydrolysis reaction based on how strong the ion acts as an acid or base it will produce varying pH levels when water and salts react there are many possibilities due to the varying structures of salts the salt definition in chemistry shows that it is an inorganic chemical that is abundantly available on the earth's crust it is an ionic substance composed of ions that are joined together with libretexts learning objectives define a strong and a weak acid and base recognize an acid or a base as strong or weak determine if a salt produces an acidic or a basic solution except for their names and formulas so far we have treated all acids as equals especially in a chemical reaction a salt consists of the positive ion cation of a base and the negative ion anion of an acid the reaction between an acid and a base is called a neutralization reaction the term salt is also used to refer specifically to common table salt or sodium chloride what is salt chemically salt $NaCl$ or sodium chloride is made up of two elements sodium Na and chloride Cl it is a natural crystalline mineral that in its basic form is called rock salt once processed for purchase at the grocery it is generally sold as table salt or one of the other varieties we will cover salt is an ionic compound that has a cation other than H^+ and an anion other than OH^- and is obtained along with water in the neutralization reaction between acids and bases eg $NaCl$ $CuCl_2$ etc acid base salt water sodium chloride is one of the best known salt salts are chemical compounds that result from the combination of a cation a positively charged ion and an anion a negatively charged ion the most common type of salt is table salt which is made up of the cation sodium Na and the anion chloride Cl giving it the chemical formula $NaCl$ view all 96 critics reviews geoffrey macnab independent uk wenders showcases his work while giving him a platform to express his philosophical and political views the doc benefits from a most popular best rated alphabetically by location 1 rock salt himalayan salt punjab pakistan 3.9 even though its name gives the impression that it comes from the pristine environment of the himalayas himalayan salt is sourced hundreds of kilometers away from this mountain range to be precise from salt mines in the salt range a h pg 13 released jul 23 2010 1h 40m action mystery thriller trailer for salt trailer 1 list when evelyn salt angelina jolie became a cia officer she swore an oath to duty honor and

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mahaty 4 years ago perhaps they gain the characteristic of their dominant parent the acid or base whichever is stronger would decide the properties and character of the salt for example $NaOH$ HCl $NaCl$ H_2O since both the acid and base are strong the salt produced would be neutral strong base strong acid neutral salt

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about transcript the pH of a salt solution is determined by the relative strength of its conjugated acid base pair salts can be acidic neutral or basic salts that form from a strong acid and a weak base are acid salts like ammonium chloride NH_4Cl

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in common usage salt is a mineral composed primarily of sodium chloride $NaCl$ when used in food especially in granulated form it is more formally called table salt in the form of a natural crystalline mineral salt is also known as rock salt or halite salt is essential for life in general and saltiness is one of the basic human tastes

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since acids and bases can be weak or strong there are four types of salts that can result and these will result in neutral acidic or basic solutions that is the acid can be strong sa or weak wa and the base can be strong sb or weak wb salt of strong acid and strong base salt of strong acid and weak base salt of weak acid and

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salts when placed in water will often react with the water to produce h³o or oh this is known as a hydrolysis reaction based on how strong the ion acts as an acid or base it will produce varying ph levels when water and salts react there are many possibilities due to the varying structures of salts

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a salt consists of the positive ion cation of a base and the negative ion anion of an acid the reaction between an acid and a base is called a neutralization reaction the term salt is also used to refer specifically to common table salt or sodium chloride

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what is salt chemically salt nacl or sodium chloride is made up of two elements sodium na and chloride cl it's a natural crystalline mineral that in its basic form is called rock salt once processed for purchase at the grocery it's generally sold as table salt or one of the other varieties we will cover

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salt is an ionic compound that has a cation other than h and an anion other than oh and is obtained along with water in the neutralization reaction between acids and bases eg nacl cucl₂ etc acid base salt water sodium chloride is one of the best known salt

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salts are chemical compounds that result from the combination of a cation a positively charged ion and an anion a negatively charged ion the most common type of salt is table salt which is made up of the cation sodium na and the anion chloride cl giving it the chemical formula nacl

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