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Acids and Bases

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| **Across****2.** are substances that, in aqueous solution, are slippery to the touch, taste astringent, change the color of indicators**6.**  A substance, such as sodium bicarbonate, that neutralizes acid**8.** clean and sterilize**9.** a white crystalline substance that gives seawater its characteristic taste**10.** a water-soluble cleansing agent that combines with impurities and dirt to make them more soluble and differs from soap in not forming a scum with the salts in hard water**12.**  is a chemical reaction in which an acid and a base react quantitatively with each other**13.**  is a measure of hydrogen ion concentration | **Down****1.** a chemical liquid that destroys bacteria**3.** a chemical substance that neutralizes alkalis, dissolves some metals, and turns litmus red; typically, a corrosive or sour-tasting liquid of this kind**4.** a chemical compound that conducts electricity by changing into ions when melted or dissolved into a solution**5.** any substance that gives a visible sign, usually by a colour change, of the presence or absence of a threshold concentration of a chemical species, such as an acid or an alkali in a solution**7.**  value is a number from 1 to 14, with 7 as the middle (neutral) point**11.** a substance used with water for washing and cleaning, made of a compound of natural oils |