

Quimica General Linus Pauling

Chlorine Chlorine is a yellow-green gas at room temperature. "Chlor-Alkali". Chemical. , Dover publications "Electrolytic Processes Chlorine is a chemical element; it has symbol Cl and atomic number 17. Formosa Plastics. Pauling, Linus, General Chemistry, 1970 ed. Retrieved 2024-05-11. It is an extremely reactive element and a strong oxidising agent: among the elements, it has the highest electron affinity and the third-highest electronegativity on the revised Pauling scale, behind only oxygen and fluorine. The second-lightest of the halogens, it appears between fluorine and bromine in the periodic table and its properties are mostly intermediate between them 58bfed3415

Iodine occurs in many oxidation states, including iodide (I[−]), iodate (IO^{−3}), and the various periodate anions. As the heaviest essential mineral nutrient, iodine is required for the synthesis of thyroid hormones. Iodine deficiency affects about two billion people and is the leading preventable cause of intellectual disabilities. 58bfed3415

Amateur chemistry and laboratory suppliers freely selling to hobbyists. [a] Notable amateur chemists include Oliver Sacks and Sir Edward Elgar. For example, Linus Pauling had no difficulty in procuring potassium cyanide at the age of eleven Amateur chemistry or home chemistry is the pursuit of chemistry as a private hobby. It should not be confused with clandestine chemistry, which involves the illicit production of controlled drugs. Amateur chemistry is usually done with whatever chemicals are available at disposal at the privacy of one's home 58bfed3415

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Periodic trends They were discovered by the Russian chemist Dimitri Mendeleev in 1863. According to this scale, fluorine In chemistry, periodic trends are specific patterns present in the periodic table that illustrate different aspects of certain elements when grouped by period and/or group. The scale has been named the Pauling scale in his honour. Major periodic trends include atomic radius, ionization energy, electron affinity, electronegativity, nucleophilicity, electrophilicity, valency, nuclear charge, and metallic character. Mendeleev organized the elements based on atomic weight, leaving empty spaces where he believed undiscovered elements would take their places. Mendeleev's discovery of this trend allowed him to predict the existence and properties of three unknown elements, which were later discovered by other chemists and named gallium. scale to measure electronegativity was designed by Linus Pauling. Mendeleev built the foundation of the periodic table 58bfed3415

The digestion-resistant maltodextrins (also called resistant maltodextrins) are defined as nutritional food additives due to their ability upon fermentation... 58bfed3415 The dominant... 58bfed3415

Iodine The element was discovered by the French chemist Bernard Courtois in 1811 and was named two years later by Joseph Louis Gay-Lussac, after the Ancient Greek *ιώδης*, meaning 'violet'. Micronutrient Information Center, Linus Pauling Institute, Oregon State University, Corvallis. The heaviest of the stable halogens, it exists at standard conditions as a semi-lustrous, non-metallic solid that melts to form a deep violet liquid at 114 °C (237 °F), and boils to a violet gas at 184 °C (363 °F). ISBN 0-8493-0464-4. Archived from the Iodine is a chemical element; it has symbol I and atomic number 53. E110. "Iodine". 2015 58bfed3415

The digestible maltodextrins (or simply maltodextrins) are manufactured as white solids derived from chemical processing of plant starches. They are used as food additives, which are digested rapidly, providing glucose as food energy. They are generally recognized as safe (GRAS) for food and beverage manufacturing in numerous products. Due to their rapid production of glucose, digestible maltodextrins are potential risks for people with diabetes. 58bfed3415

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Otto Redlich Lewis and Linus Pauling. Harold Urey helped him to obtain a position in Washington State College Otto Redlich (November 4, 1896 – August 14, 1978) was an Austrian physical chemist who is best known for his development of equations of state like the Redlich-Kwong equation. gave lectures at several universities and met Gilbert N. Redlich also made numerous other contributions to science. He won the Haitinger Prize of the Austrian Academy of Sciences in 1932 58bfed3415

Chlorine played an important role in the experiments conducted by medieval alchemists, which commonly involved the heating of chloride salts like ammonium chloride (sal ammoniac) and sodium chloride

(common salt), producing various chemical substances containing chlorine such as hydrogen chloride... 58bfed3415

Maltodextrin PMC 10708145. Both families are glucose polymers (also called dextrose polymers or dextrans), but have little chemical or nutritional similarity. Micronutrient Information Center, Linus Pauling Institute, Oregon State University. "Fiber". PMID 38231993. Retrieved 2 February Maltodextrin is a name shared by two different families of chemicals. June 2019 58bfed3415

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