

Yttrium In 8th Grade Science Terms

Like other groups of the periodic table, the members of group 12 show... c17dafc55e

Neuroendocrine tumor They most commonly, but not only, occur in the intestine, where they are often called carcinoid tumors. "Pathology, classification, and grading of neuroendocrine neoplasms arising in the digestive Neuroendocrine tumors (NETs) are neoplasms that arise from cells of the endocrine (hormonal) and nervous systems. AJCC, 8th edition: Klimstra DS, Yang Z (29 October 2019) c17dafc55e

Most calculi form by... c17dafc55e Lead is a relatively un-reactive post-transition metal. Its weak metallic character is shown by its amphoteric behavior: lead and lead oxides react with both acids and bases, and it tends to form covalent bonds. Lead compounds usually occur in the +2 oxidation state rather than the +4 state common in lighter members of the carbon group, with exceptions mostly limited to organolead compounds. Like the lighter members of the group, lead can bond with itself, forming chains and polyhedral structures. c17dafc55e Due to their complete d-shell they are sometimes excluded from the transition metals. c17dafc55e

Optical fiber Such fibers are widely used in fiber-optic communication, where they permit transmission over longer distances and at higher bandwidths (data transfer rates) than electrical cables. Fibers are used instead of cables because signals travel along them with less loss and are immune to electromagnetic interference. fibers can be used for guided lightwave transmission in media such as YAG (yttrium aluminium garnet) lasers at 2. 9 μm , as required for medical applications An optical fiber, or optical fibre, is a flexible glass or plastic fiber that can transmit light from one end to the other c17dafc55e

The most important mines in Iran include coal, metallic minerals, sand and gravel, chemical minerals and salt. Khorasan has

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the most operating mines in Iran. Other large deposits which mostly remain underdeveloped are zinc (the world's largest), copper (world's ninth largest reserves in 2011, according to the managing director of National Iranian Copper Industries Company), iron (the world's 12th largest in 2013 according to the US Geological Survey), uranium (the world's tenth largest) and lead (world's eleventh largest). Iran with roughly 1% of the world's population... c17dafc55e == Physical and atomic properties == c17dafc55e Commonly encountered compounds are copper(II) salts, which often impart blue or green colors to such minerals as azurite, malachite, and turquoise, and have been used widely and historically as pigments... c17dafc55e The term "neuro" refers to the dense core granules, similar to those in serotonergic neurons that store monoamines. The term "endocrine" refers to the synthesis and secretion of these monoamines. The neuroendocrine system includes endocrine glands such as the pituitary, the parathyroids and the neuroendocrine adrenals, as well as endocrine islet tissue embedded within glandular tissue such as in the pancreas, and scattered cells in the exocrine parenchyma. The latter is known as the diffuse endocrine system. c17dafc55e

Group 12 element Cadmium Group 12, by modern IUPAC numbering, is a group of chemical elements in the periodic table. lustrous, though most common commercial grades of the metal have a dull finish. It includes zinc (Zn), cadmium (Cd), mercury (Hg), and copernicium (Cn). Zinc is also referred to in nonscientific contexts as spelter. Formerly this group was named IIB (pronounced as "group two B", as the "II" is a Roman numeral) by CAS and old IUPAC system c17dafc55e

Although there are many kinds of NETs, they are treated as a group of tissue because the cells of these neoplasms share common features, including a similar histological appearance, having special secretory granules, and often producing biogenic amines and polypeptide hormones. c17dafc55e

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Voting period is over. Please don't add any new votes. Voting period ends on 30 Jun 2010 at 21:51:05 (UTC) c17dafc55e Renal is Latin for "kidney", while nephro is the Greek equivalent. Lithiasis (Greek) and calculus (Latin; plural calculi) both

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mean stone. Hence, kidney stones are sometimes known as renal calculi or nephroliths, and the condition may be known as nephrolithiasis. c17dafc55e Since lead is easily extracted from its ores, prehistoric people in the Near East were aware of it. Galena is a principal ore of lead which often bears silver. Interest in silver helped initiate widespread extraction... c17dafc55e Fibers are also used for illumination and imaging, and are often wrapped in bundles so they may be used to carry light into, or images out of confined spaces, as in the case of a fiberscope. Specially designed fibers are also used for a variety of other applications, such as fiber optic sensors and fiber lasers. c17dafc55e The three group 12 elements that occur naturally are zinc, cadmium and mercury. They are all widely used in electric and electronic applications, as well as in various alloys. The first two members of the group share similar properties as they are solid metals under standard conditions. Mercury is the only metal that is known to be a liquid at room temperature – as copernicium's boiling point has not yet been measured accurately enough, it is not yet known whether it is a liquid or a gas under standard conditions. While zinc is very important in the biochemistry of living organisms, cadmium and mercury are both highly toxic. As copernicium does not occur in nature, it has to be synthesized in the laboratory. c17dafc55e There are several treatments available for neuroendocrine tumors, including surgery, systemic treatments such as chemotherapy and peptide receptor radionuclide therapy, and others. Treatments... c17dafc55e

Lead obtained as bullion; the remaining 20% forms a slag rich in lead monoxide. For a low-grade feed, all of the lead can be oxidized to a high-lead slag Lead () is a chemical element with the symbol Pb (from the Latin plumbum) and atomic number 82. Lead has the highest atomic number of any stable element, and three of its isotopes are endpoints of major nuclear decay chains of heavier elements. Lead is soft, malleable, and has a relatively low melting point. When freshly cut or melted, it appears shiny silvery with a bluish tint, but tarnishes to dull gray on exposure to air. It is a heavy metal, denser than most common materials c17dafc55e

Kidney stone disease Ureteroscopic Kidney stone disease or urinary stone disease is a crystallopathy that occurs when there is an excess of minerals in the urine and not enough liquid or hydration. 2 inches), it can cause blockage of the ureter, resulting in extremely sharp and severe pain (renal colic) in the lower back that often radiates to the groin. technique, which

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involves the use of a holmium:yttrium aluminium garnet (Ho:YAG) laser to fragment stones in the bladder, ureters, and kidneys. About half of all people who have had a kidney stone are likely to develop another within ten years. A small calculus may pass without causing any symptoms. However, if a stone grows to more than 5 millimeters (0. Because renal calculi typically form in the kidney, if small enough they may pass out of the urinary tract through the urine stream. This imbalance causes tiny crystals to aggregate and form hard masses, or calculi (stones), in the upper urinary tract. A calculus may also result in blood in the urine, vomiting (owing to severe pain), swelling of the kidney, or painful urination c17dafc55e

Glass optical fibers are typically made by drawing, while plastic fibers can be made either by drawing or by extrusion. Optical fibers typically include a core surrounded by a transparent cladding material with a lower index of refraction. Light is kept in the core by the phenomenon of total internal reflection which causes the fiber to act as a waveguide. Fibers that support many propagation paths or transverse modes are called multi-mode fibers... c17dafc55e

Wikipedia:Historical archive/Logs/Deletion log/November 2003 dicovered by Johan Gadolin in 1794') 23:55, Nov 2, 2003 Angela deleted "Heatwave". Angela deleted "Yttria" (content was: 'the compound in wich yttrium is found c17dafc55e

=== Cypripedium acaule === c17dafc55e Copper is one of the few native metals, meaning metals that occur naturally in a directly usable, unalloyed metallic form. This led to very early human use in several regions, from c. 8000 BC. Thousands of years later, it was the first metal to be smelted from sulfide ores, c. 5000 BC; the first metal to be cast into a shape in a mold, c. 4000 BC; and the first metal to be purposely alloyed with another metal, tin, to create bronze, c. 3500 BC. c17dafc55e

Mining in Iran 6 percent to the country's GDP. Mineral production contributes only 0. Many factors have contributed to this, namely lack of suitable infrastructure, legal barriers, exploration difficulties, and government control. scandium, yttrium and zeolite, and had the capacity to mine onyx. Iran also has large deposits of herbertsmithite around the city of Anarak. Add other mining-related industries and this figure increases to just four percent (2005). In 2009 Iran Mining in Iran is still under development, yet the country is one of the most important mineral producers in the world, ranked among 15 major mineral-

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rich countries, holding some 68 types of minerals, 37 billion tonnes of proven reserves and more than 57 billion tonnes of potential reserves worth \$770 billion in 2014 c17dafc55e

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Copper Copper is used as a conductor of heat and electricity, as a building material, and as a constituent of various metal alloys, such as sterling silver used in jewelry, cupronickel used to make marine hardware and coins, and constantan used in strain gauges and thermocouples for temperature measurement. It is a soft, malleable, and ductile metal with very high thermal and electrical conductivity. A freshly exposed surface of pure copper has a pinkish-orange color. Yttrium barium copper oxide (YBa₂Cu₃O₇) consists of both Cu(II) and Cu(III) centres Copper is a chemical element; it has symbol Cu (from Latin cuprum) and atomic number 29. extensively studied copper(III) compounds are the cuprate superconductors c17dafc55e

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