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Uses of Gold

Gold is the undisputed leader in the precious metals market. From time immemorial gold was considered the most attractive metal in view of its beauty and brightness. Gold is an ancient metal of wealth, trade and beauty, but it also has a number of unique properties that make it invaluable to the industry. These properties include: resistance to corrosion, electrical conductivity, ductility, infrared (thermal) reflections and thermal conductivity. Due to these properties, gold is used in almost all spheres of human activity. Here are different uses for gold in the modern world.

When most people picture gold, they envision a sparkling necklace or diamond embedded engagement ring. In fact, most of the world's gold consumption is used in the production of jewellery. The assortment of jewelry made of gold is quite extensive, made of metal rings, earrings, chains, cufflinks, fingers and other items. Jewelers make their masterpieces not of pure gold, but of its alloys. This is explained by the fact that pure metal is very soft and does not possess the necessary strength in relation to mechanical influences.

Gold is the most popular metal in which to invest. It is considered a reliable insurance against political and economic crises. Many countries have world reserves. The total reserves of all countries are 30 thousand tons.

Gold is also frequently used in manufacturing. The value of the yellow metal for industrial production is due to its special properties: ductility and ductility. Due to these qualities, a micron wire or an ultra-thin sheet of foil can be made from the raw material.

Not many people know this but gold can be found in the electronics of every single mobile device in the world. Research carried out by the World Gold Council, discovered that a single phone can contain up to 50 milligrams of gold. This may not seem like a lot but when you consider the number of mobile phone's there are in the world, it all adds up to a pretty impressive amount of gold.

In addition to mobile phones, gold is also frequently used in other electronic devices such as laptops and computers. It is one of the best natural conductors of electricity which is why it is often found in computer chips, allowing your computer to pass on and receive information more easily. Whilst not as conductive a metal as silver, gold is more frequently used in electronics due to the fact it doesn't ever tarnish or rust.

Gold because of its good malleability and the ability not to oxidize is widely used in dentistry in ancient times. For dentures and crowns, it takes, as for jewelry, not pure gold, but its alloys. The result is a product with good ductility, excellent corrosion resistance and high mechanical properties - all that is required for dental prosthetics.

Radioactive gold used in oncology for the diagnosis and treatment of malignant tumors, gold threads in aesthetic cosmetology, gold-containing skin care products that, thanks to the antimicrobial action of the metal, contribute to the elimination of skin problems and their rejuvenation.

However amazing it may be, gold is used in food and drink. The intake of gold in food, even with silver, is absolutely harmless. The material is hypoallergenic and does not cause side effects. Gold is included in the European additives. It was first added to food in the US then fashion came to Europe and Russia. Also, precious metal as a decoration of food is used in China and India.

Of all the minerals mined from the Earth, none is more useful than gold. Its usefulness is derived from a diversity of special properties. Gold conducts electricity, does not tarnish, is very easy to work, can be drawn into wire, can be hammered into thin sheets, alloys with many other metals, can be melted and cast into highly detailed shapes, has a wonderful color and a brilliant luster. Gold is a memorable metal that occupies a special place in the human mind.

Секция 07. Иностранный язык в сфере профессиональной коммуникации

Литература

1. www.physicalgold.com/insights/15-uses-gold/ (Дата обращения: 20.03.2018).