

87

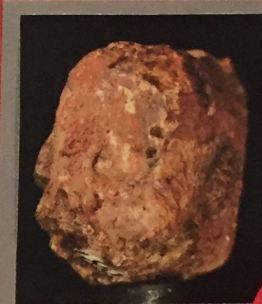
Francium's History

In 1939, Marguerite Perey was studying actinium's decay sequence when she discovered the element Francium. She made her discovery in the Curie Institute in Paris, France. No wonder the element was named Francium!

Francium

Fr

223.02 g



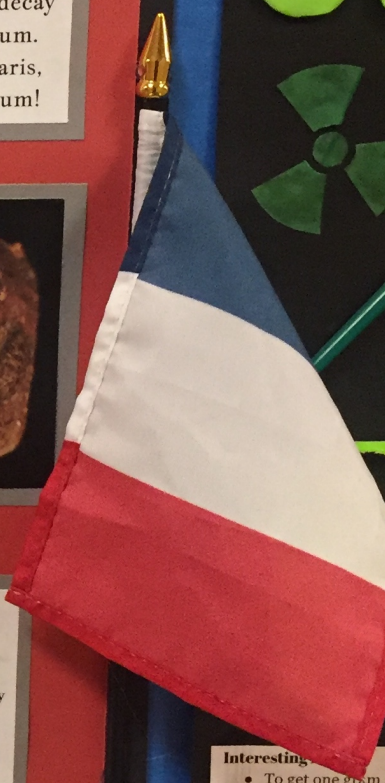
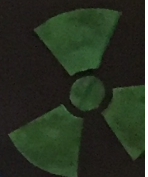
Francium Facts!

- It is the most unstable element that occurs naturally
- Francium is extremely rare, only 30 grams of it exist on earth
- Francium and water creates a very large and dangerous explosion
- Francium is highly radioactive
- Francium is the heaviest simple atom

Interesting

- To get one gram of uranium ore.
- Before we understood you, people believed glow-in-the-dark radium.
- In the 1910s, it was used in cosmetics, paint, etc.
- In 1917, radium girls suffered from radium poisoning.

87



12

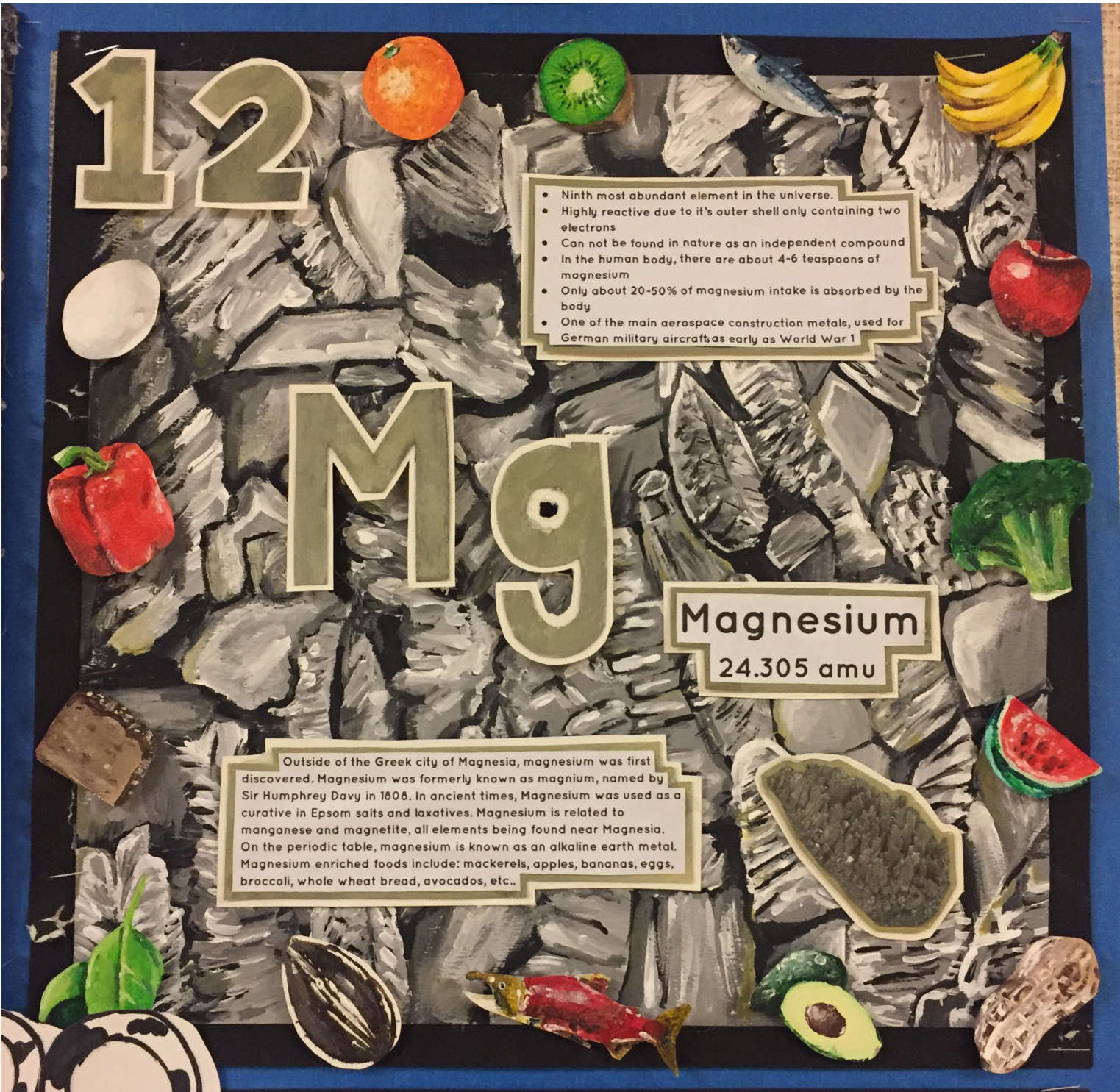
- Ninth most abundant element in the universe.
- Highly reactive due to its outer shell only containing two electrons
- Can not be found in nature as an independent compound
- In the human body, there are about 4-6 teaspoons of magnesium
- Only about 20-50% of magnesium intake is absorbed by the body
- One of the main aerospace construction metals, used for German military aircraft as early as World War 1

Mg

Magnesium

24.305 amu

Outside of the Greek city of Magnesia, magnesium was first discovered. Magnesium was formerly known as magnium, named by Sir Humphrey Davy in 1808. In ancient times, Magnesium was used as a curative in Epsom salts and laxatives. Magnesium is related to manganese and magnetite, all elements being found near Magnesia. On the periodic table, magnesium is known as an alkaline earth metal. Magnesium enriched foods include: mackerels, apples, bananas, eggs, broccoli, whole wheat bread, avocados, etc..



29

Cu

By: Salem H.

COPPER

63.55

Interesting Facts!

- Copper is very soft, making it unusable for weapons and tools
- It can be mixed with tin to make bronze, which is harder and more usable
- It is the third most consumed metal in America
- Copper is very good at conducting electricity. It is in all of our common household appliances



History

It is believed that early mesopotamians were the first to be able to fully extract and work with copper 5000 to 6000 years ago. It was prized mostly for its decorative uses, and was used to make decorative items and ornaments

118

Og

294

amu

OGANESSON

More Info

The most stable isotope, Oganesson-294, has a half-life of only 0.89 milliseconds

Although Oganesson is part of group 18, it is predicted to be solid unlike every other element in that group which are classified as noble gases

The Russian scientists that made Oganesson shot atoms of californium and ions of calcium at each other for 1,080 hours which resulted in only 3 atoms of Oganesson.

Oganesson is predicted to be surrounded by a mass of electrons instead of distinct orbitals

History

Oganesson is a fairly new element, it was created in 2002, discovered in 2006, and named in 2016. This element was discovered by research scientists at the Joint Institute for Nuclear Research, Dubna (Russia) and the Lawrence Livermore National Laboratory (USA) and was then named after nuclear physicist, Yuri Oganesson.

