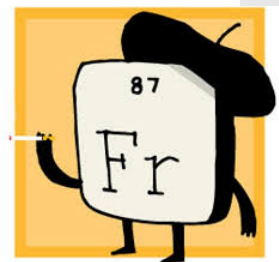


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FRANCIUM

By Brayden Stewart



Francium
(223)

Introduction



Take a glance at the periodic table. In the bottom left hand corner you see number 87, Francium. This rare guy is on of the last elements to be discovered in nature. Read on to learn about Francium.

This is a citation. Citations and important notes can be placed on the same page they are referencing here at the bottom. *Author*, Publisher, 2014

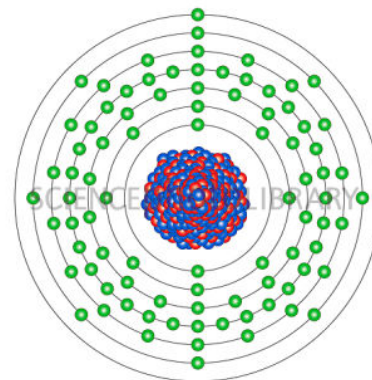
Structure

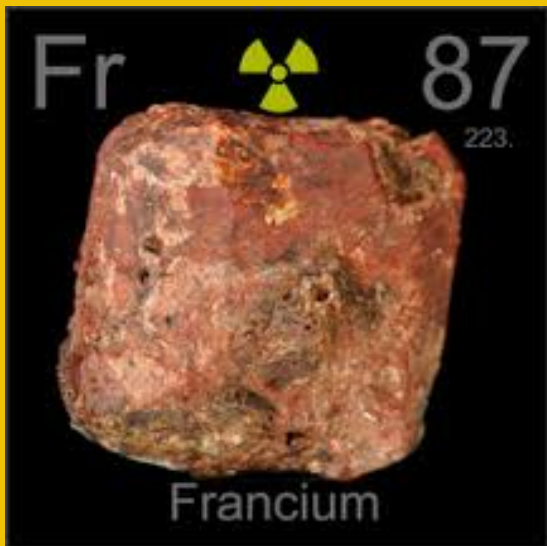
Francium is in the lower left hand corner of the periodic table, number 87. This means there are 87 protons and 87 electrons in the atom Francium. There are 7 shells of electrons on Francium, organized as 2,8,8,16,16,32,1. This means that Francium has 1 valence electron. The atomic mass of Francium most common isotope, 223 Francium, is (223), which means Francium has 136 neutrons.

Since Francium is in the first column, it is an alkali metal. This means it will most commonly be found in a compound of multiple elements. This also means Francium is a metal at room temperature.

At room temperature, Francium is a solid, but heated at 80.6 degrees Fahrenheit it will melt. It is also very rare, with 30 grams of it at any given time in the earth's crust. This very radioactive element is made with the neutron bombardment of radium in a nuclear reactor. It can also be made by bombarding thorium with protons.

**'THE ATOMIC MASS OF
FRANCIUM MOST
COMMON ISOTOPE , 223
FRANCIUM , IS (223)...'**





Francium was discovered in 1939. It's name was chosen because it was discovered in France, at the Curie Institute in Paris.

Francium was discovered by one of Marguerite Perey's pupils. Marguerite was studying the radioactive decay of Actinium when she discovered number 87.



Uses And Properties

Francium has very few compounds. A few of Franciums compounds are Francium Sulfide (Fr_2S), and Francium Oxide (Fr_2O).

Francium has no known chemical or physical properties because it is so rare. Scientists can only guess that Francium is the electronegative element. Scientists also believe Francium gives away it's electrons in water

3 interesting Facts About Francium

- 1. Explodes in Water**
- 2. Scientists believe Francium explodes in water**
- 3. Although Marguerite Perey gets credit for discovery, Francium was discovered after her death**

