

An Awesome element

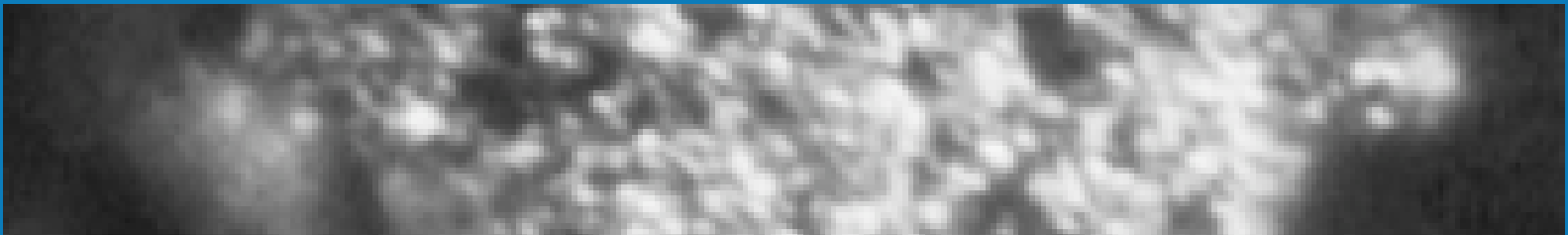


Berkelium



Berkelium Introduction

Berkelium is an odd element. It is man made and is very scientific. It is a semi rare element and only about a gram of it is made a year. I hope you want to hear more about this element.



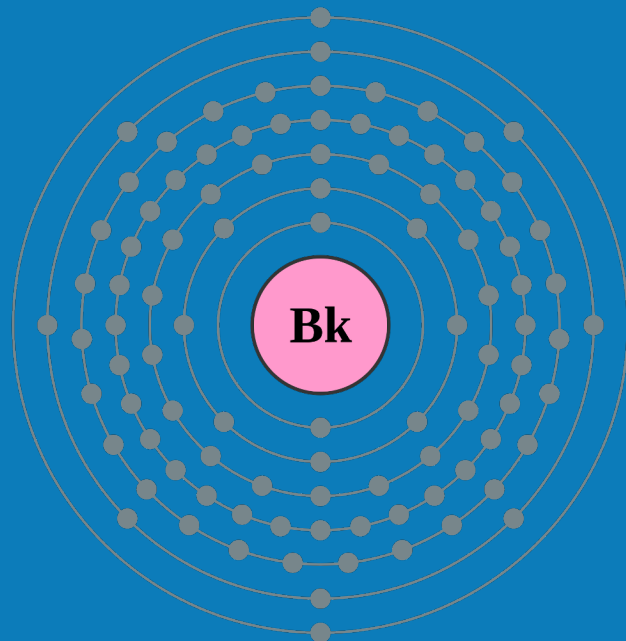
Berkelium

Compounds and Structure

Berkelium is a very interesting element. The atomic number is 97 on the periodic table. It has 97 protons and electrons and 150 neutrons. It has 2 valence electrons and 7 electron rows. Its compounds are for Fluorides Berkelium trifluoride BkF_3 , Berkelium tetrafluoride BkF_4 . For Chlorides Berkelium trichloride BkCl_3 . For Iodides Berkelium triiodide BkI_3 . For Oxides Berkelium oxide BkO , Berkelium dioxide BkO_2 , Diberkelium trioxide B_2O_3 .

97: Berkelium

2,8,18,32,27,8,2



Berkelium

Discovery

Berkelium was discovered in 1949 by Stanly Thompson, Albert Ghiorso, Glen Seabord. It was named after Berkeley California where it was made. Unlike most of the elements berkelium was man made. It was created when the scientists who made it put 7 milligrams of americium and alpha particles into a cyclotron. Berkelium is an element that has a long story.

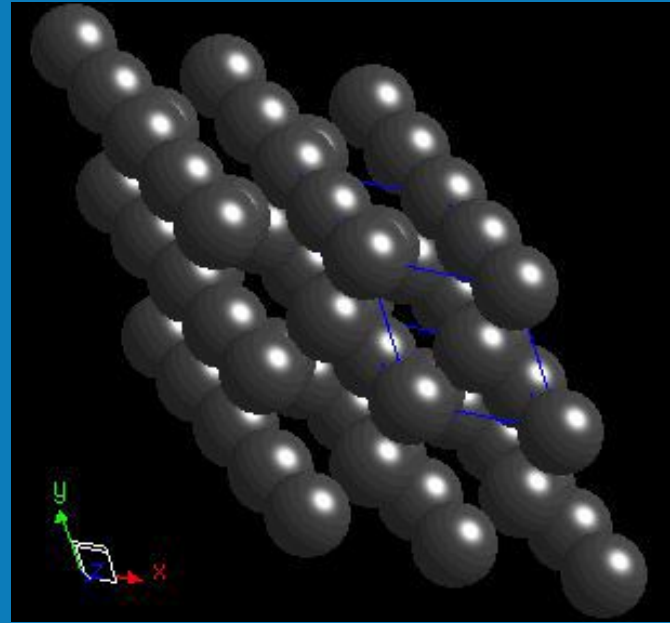


Berkelium

Uses and Properties

Berkelium has no known uses. It doesn't do much and is man made. It does have a lot of interest though and is used for research.

It has some properties. It Dissolves in non organic liquids and Reacts with molten metals . Its physical properties are it being a silvery gray color.



Fun facts:

- Less than a gram of berkelium is made each year
- Berkelium has no known biological role
- Berkelium is radioactive