



Lithium

Lithium **Li** ³
 6,941
 1,0
 [He] 2s¹

Lithium

is named after the Greek
 "lithos" meaning "stone",
 because it was discovered
 from a mineral.

Alkali Metal

Alkali Metal

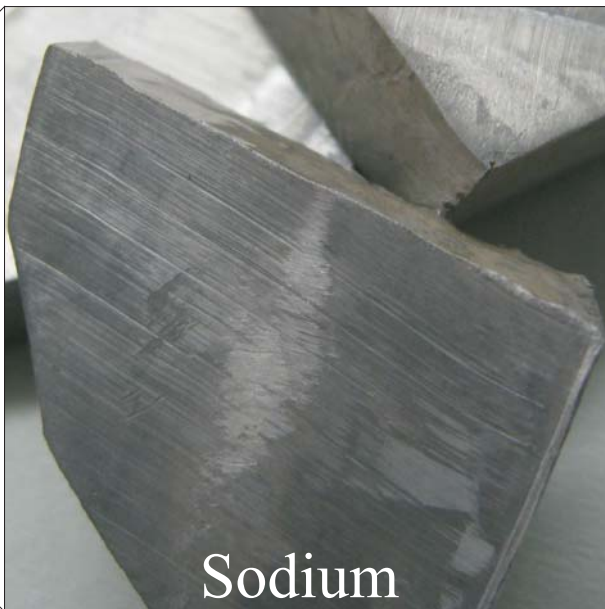


Lithium battery

Solid

Silver-white.

Used in batteries,
lubricants, medi-
cines and nuclear
bombs.



Sodium

Sodium **Na**¹¹

22,990

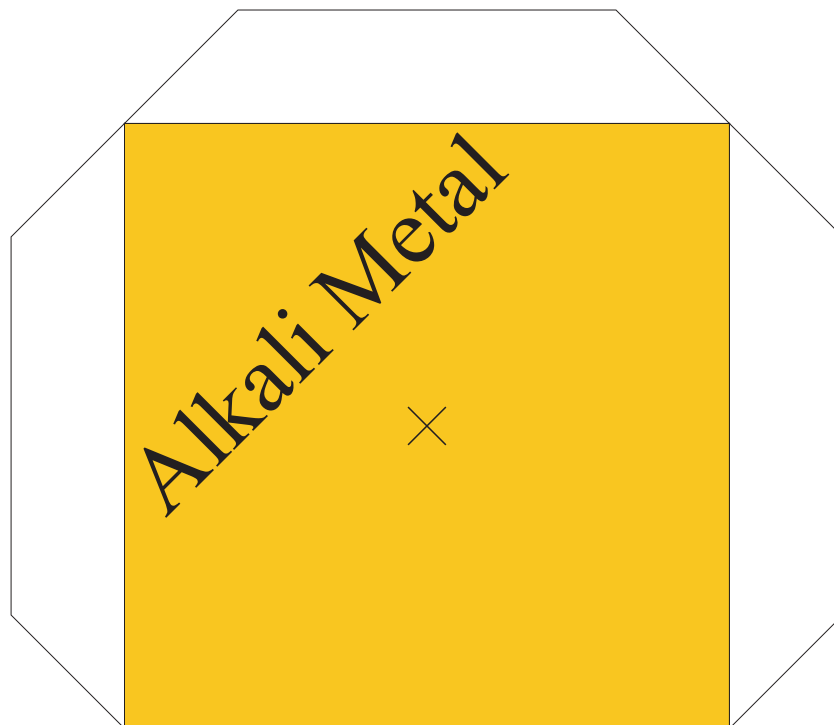
1,0

[Ne] 3s¹

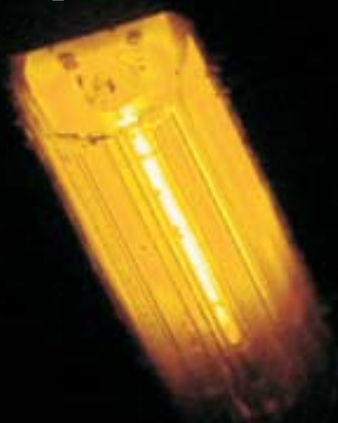
Sodium

derives from the English, "soda". The symbol Na is from the modern Latin noun, "natrium", "natural soda", a kind of salt.

Alkali Metal



Sodium/sodium oxide streetlamp



Solid

Silvery white metallic.

Bonds with chlorine to form table salt; used in household cleaning products and street lamps.



Potassium

Potassium

K

19

39,098

0,9

[Ar] 4s¹

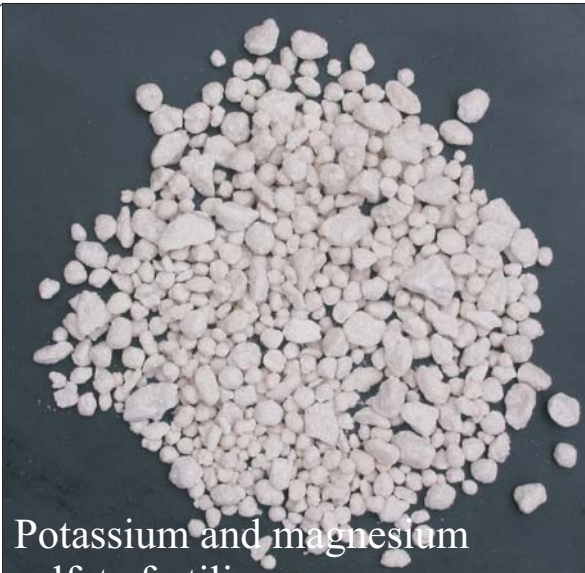
Potassium

is from the English word "potash", "pot ashes". The symbol K is from Latin name, "Kalium", meaning "calcined ashes".

Alkali Metal

Alkali Metal

×



Potassium and magnesium sulfate fertilizer

Solid

Silvery grey; reacts violently with water. Used in fertilizers, gunpowders. Bananas contain potassium.



Rubidium

Rubidium **Rb**³⁷

85,468

0,9

[Kr] 4s¹

Rubidium

is derived from the Latin
“rubidus”, meaning “deepest
red”, because of its colour in
the spectroscope.

Alkali Metal

Alkali Metal



Kirchhoff(l) and Bunsen(c)
discovered Rubidium in 1861.

Solid

Grey white, melts at
39,3 °C.

Rubidium reacts
violently with water
and can cause fires;
it is stored under oil.



Caesium

Caesium

Cs⁵⁵

132,91

0,9

[Xe] 6s²

Caesium

derives from the Latin
"caesius", meaning "sky blue"
since its spectrum has bright
blue lines.

Alkali Metal

Alkali Metal



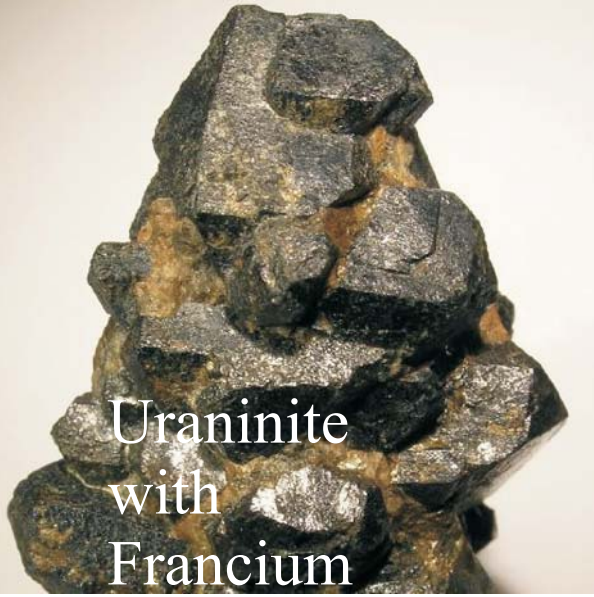
Image from physicsworld.com

Caesium clock

Solid

Silvery gold, melts
at 28,4 °C.

Used in atomic
clocks; drilling
fluids for the extrac-
tive oil industry.



Uraninite
with
Francium

Francium **Fr**⁸⁷

223,02

0,9

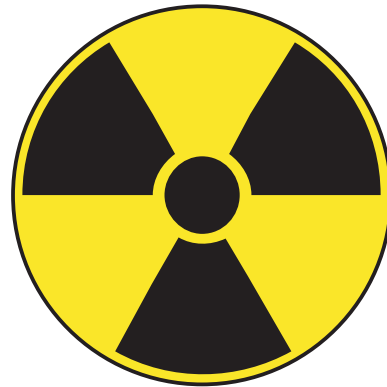
[Rn] 7s¹

Francium

was named for France where
it was discovered in 1939.

Alkali Metal

Alkali Metal



Decays with a half-life of
22 minutes into astatine,
radium and radon.

Solid

Metallic appearance.

It is the 2nd rarest
naturally occurring
element and the
most unstable one.