

3
Li
Lithium

11
Na
Sodium

19
K
Potassium

37
Rb
Rubidium

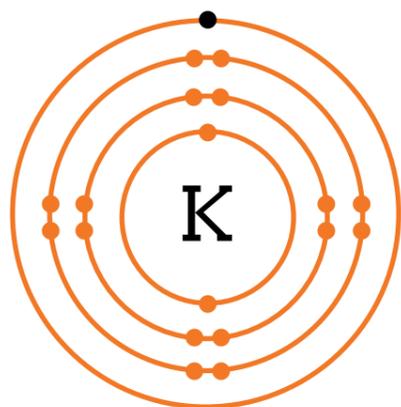
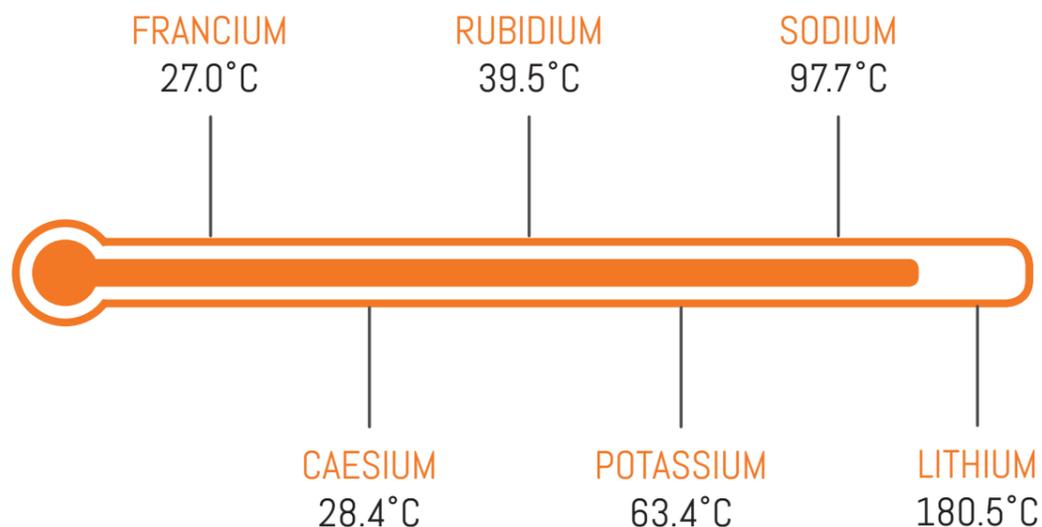
55
Cs
Caesium

87
Fr
Francium

Group 1 - The Alkali Metals

THE GROUP 1 ELEMENTS ARE SHINY, SOFT, AND HIGHLY REACTIVE METALS, NONE OF WHICH OCCUR NATURALLY AS FREE ELEMENTS

MELTING POINTS



ALL
OF THE
GROUP 1 METALS
HAVE
ONE
VALENCE ELECTRON

THE REACTIVITY OF THE GROUP 1 METALS **INCREASES DOWN THE GROUP** AS THE OUTER ELECTRON GETS FURTHER FROM THE NUCLEUS & BECOMES EASIER TO REMOVE

THE ALKALI METALS REACT WITH WATER TO FORM **METAL HYDROXIDES**

LiOH

NaOH

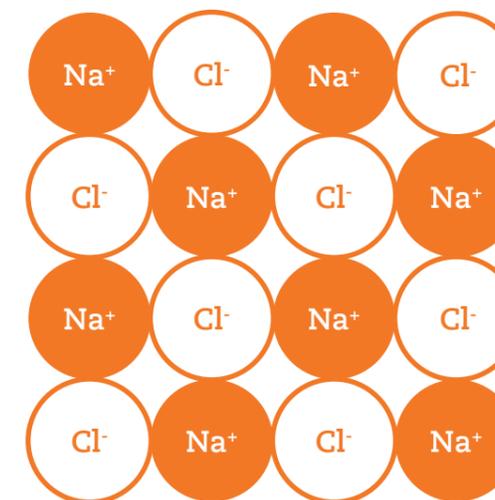
KOH

RbOH

CsOH

ALKALI METALS REACT WITH **OXYGEN** TO FORM **METAL OXIDES**

ALKALI METALS REACT WITH **HALOGENS** TO FORM **IONIC SALTS**



USES OF THE ALKALI METALS



LITHIUM

ANTI
DEPRESSANTS
BATTERIES



SODIUM

STREET LAMPS
TABLE SALT



POTASSIUM

FERTILISERS
SOAPS



RUBIDIUM
& CAESIUM

ATOMIC
CLOCKS



FRANCIUM

RADIOACTIVE