

3
Li
Lithium

11
Na
Sodium

19
K
Potassium

37
Rb
Rubidium

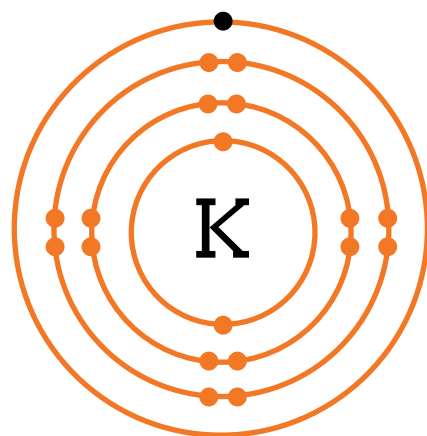
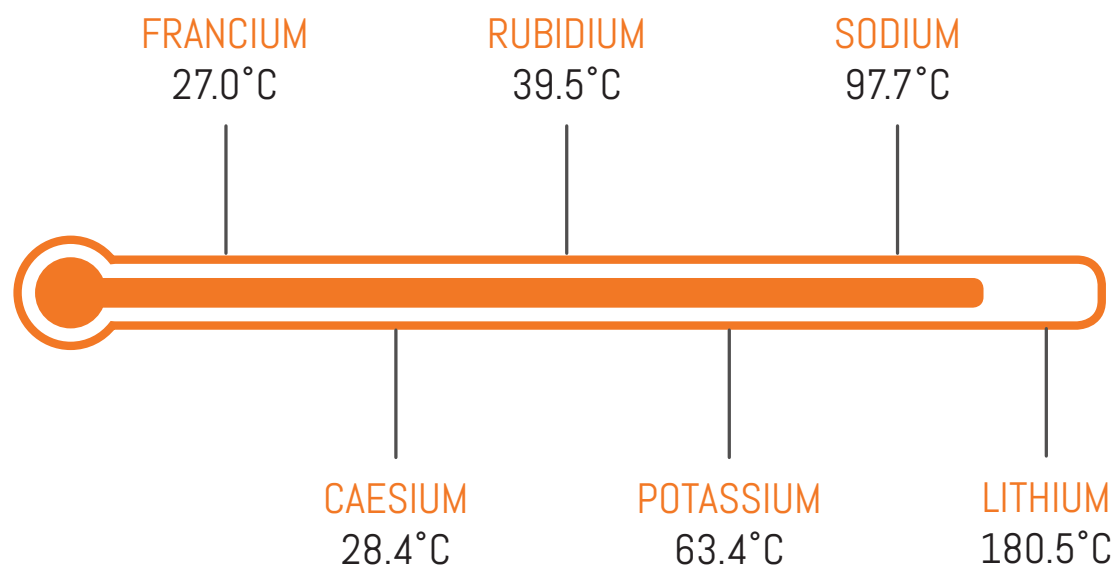
55
Cs
Caesium

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

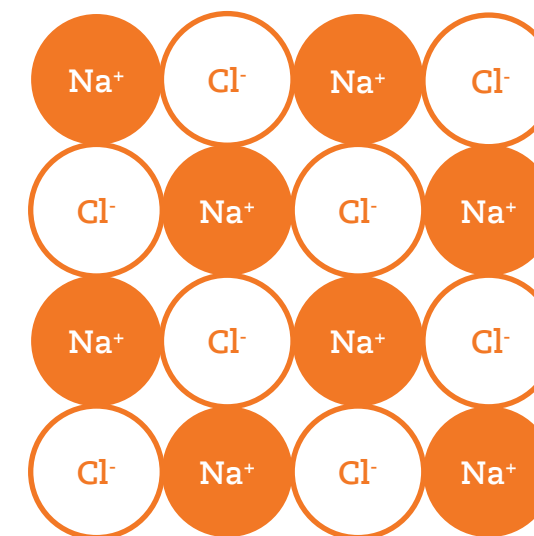
KOH

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