

7
N
Nitrogen

15
P
Phosphorus

33
As
Arsenic

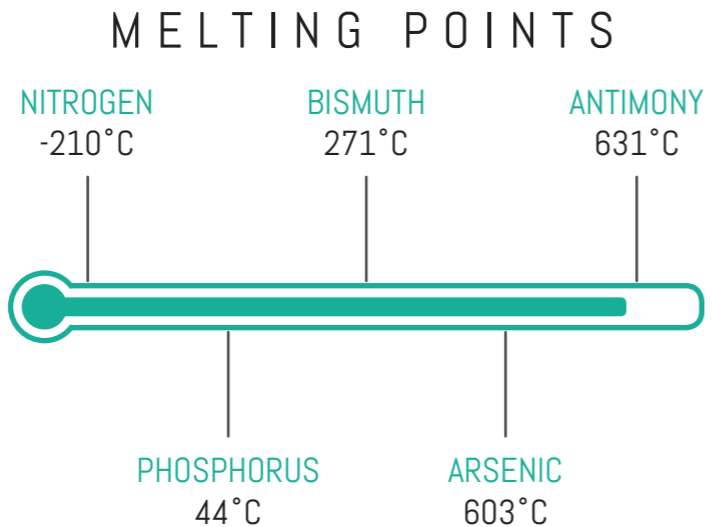
51
Sb
Antimony

83
Bi
Bismuth

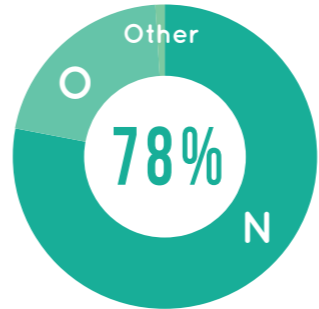
115
Uup
Ununpentium

Group 5 - The Pnictogens

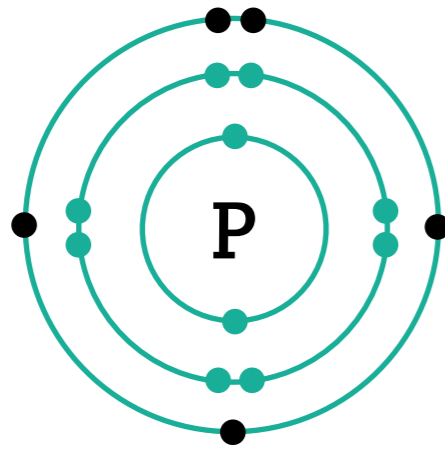
THE GROUP 5 ELEMENTS ARE ALL SOLIDS APART FROM NITROGEN, AND ARE A MIX OF NON-METALS, METALLOIDS AND A METAL



BISMUTH IS THE ONLY METALLIC ELEMENT PRESENT IN GROUP FIVE



NITROGEN IS THE MOST ABUNDANT ELEMENT IN THE EARTH'S ATMOSPHERE

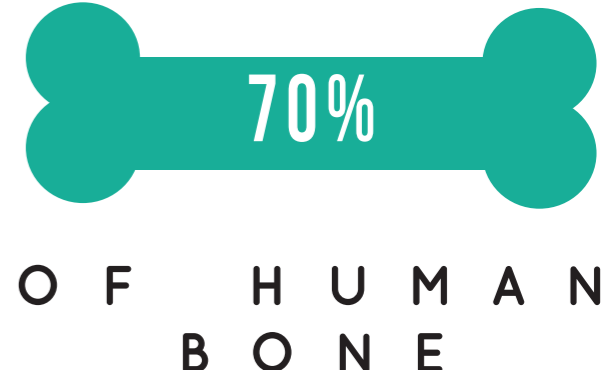


ALL OF THE GROUP 5 ELEMENTS HAVE FIVE VALENCE ELECTRONS

THE PNICTOGENS FORM **PNICTIDES** WITH MOST ELEMENTS

PHOSPHORUS CONTAINING **CALCIUM PHOSPHATE COMPOUNDS** MAKE UP

PNICTOGENS FORM:
HYDRIDES WITH **HYDROGEN**
OXIDES WITH **OXYGEN**
HALIDES WITH **HALOGENS**



ANCIENT EGYPTIANS USED THE **ANTIMONY COMPOUND** CALLED STIBNITE AS **EYE MAKE-UP**



USES OF THE PNICTOGENS

NITROGEN	PHOSPHORUS	ARSENIC	ANTIMONY	BISMUTH
EXPLOSIVES	SAFETY MATCHES	AMMUNITION	FLAME RETARDANTS	X-RAY SHIELDS
FERTILISERS	SMOKE BOMBS	MANUFACTURING	COSMETICS	MEDICINES

0.06 GRAMS LETHAL DOSE OF **ARSENIC**