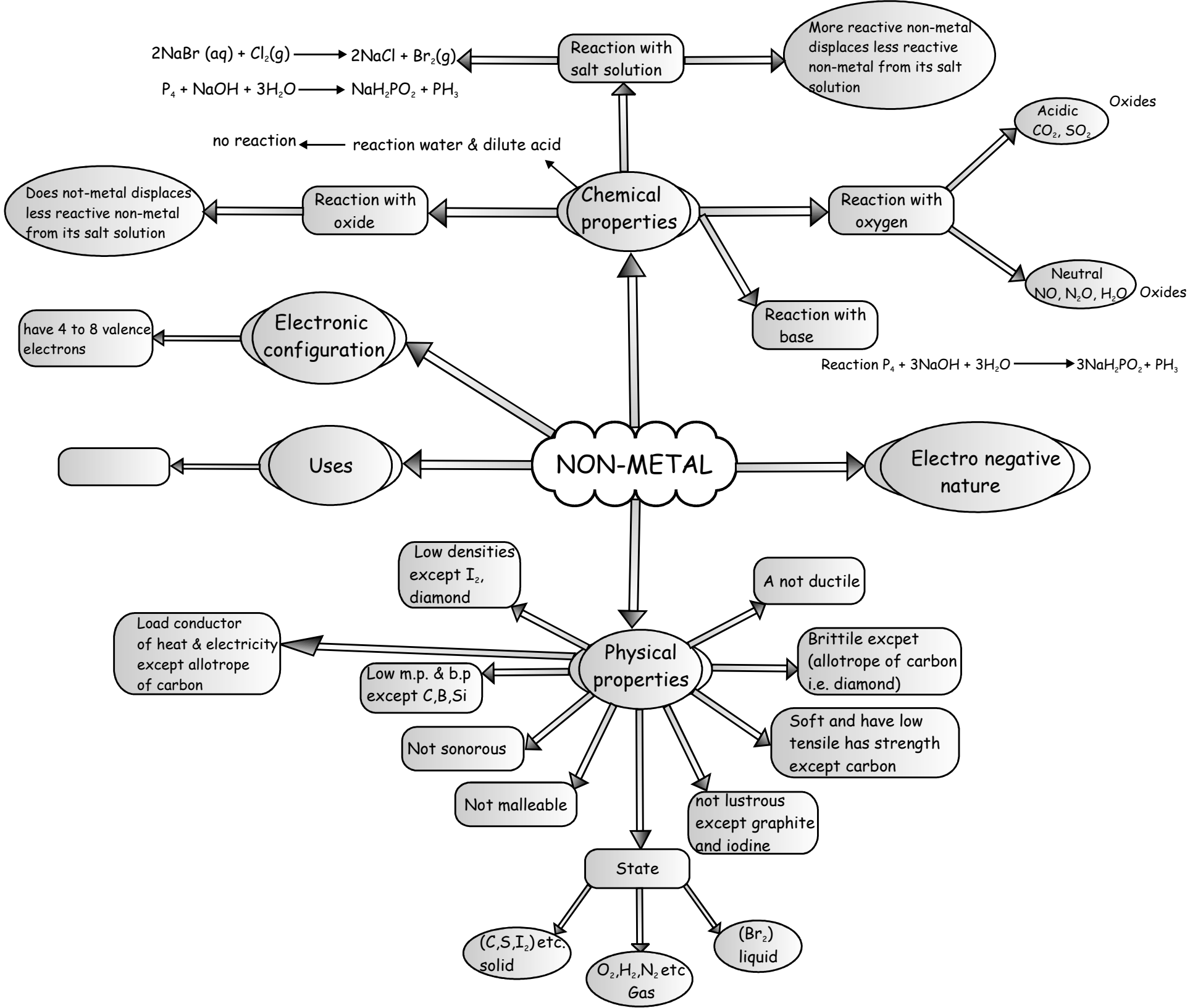
NON-METAL
Chemical properties
Reaction with salt solution
2NaBr (aq) + Cl2(g) → 2NaCl + Br2(g)
P4 + NaOH + 3H2O → NaH2PO2 + PH3
More reactive non-metal displaces less reactive non-metal from its salt solution
no reaction ← reaction water & dilute acid
Reaction with oxide
Does not-metal displaces less reactive non-metal from its salt solution
Reaction with oxygen
Acidic CO2, SO2
Oxides
Neutral NO, N2O, H2O
Oxides
Reaction with base
Reaction P4 + 3NaOH + 3H2O → 3NaH2PO2 + PH3
Electronic configuration
have 4 to 8 valence electrons
Uses
Electro negative nature
Physical properties
Low densities except I2, diamond
A not ductile
Load conductor of heat & electricity except allotrope of carbon
Brittile excpet (allotrope of carbon i.e. diamond)
Low m.p. & b.p except C,B,Si
Soft and have low tensile has strength except carbon
Not sonorous
Not malleable
not lustrous except graphite and iodine
State
(C,S,I2) etc. solid
O2,H2,N2 etc Gas
(Br2) liquid