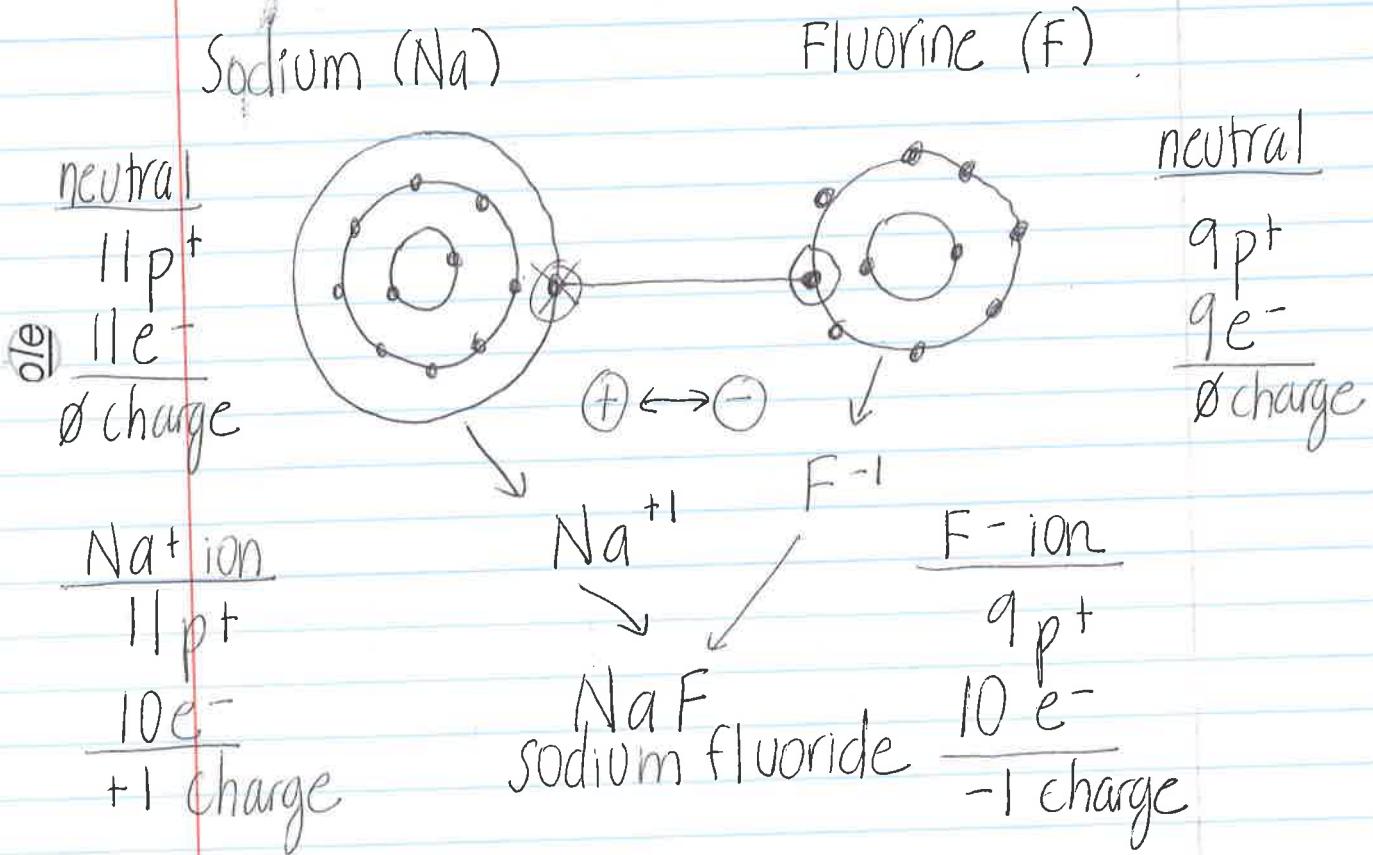


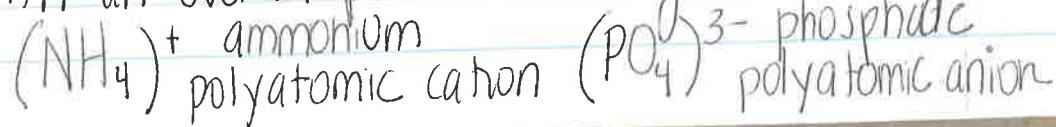
Ionic Bonds - are bonds in which electrons are transferred from one atom to another and then positive and negative ions are attracted to each other.



Positive ions are called cations: # p > # e

Negative ions are called anions: # p < # e

Polyatomic ions - group of covalently bonded atoms with an overall positive or negative charge.



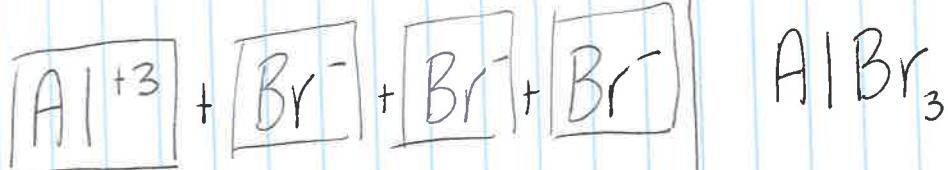
## Combining Ions

note: chemical compounds have an overall neutral charge.

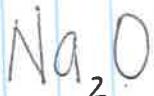
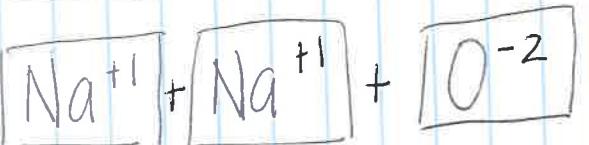
### Cations + Anions

### Chemical Formula

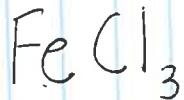
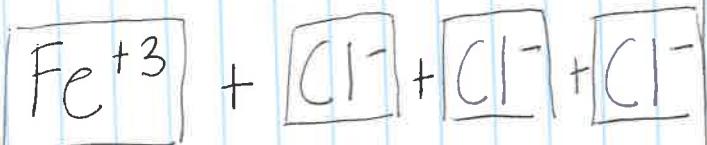
### Name of Compound



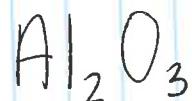
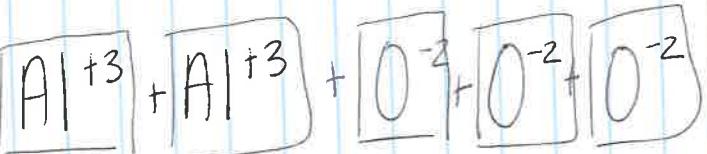
aluminum bromide



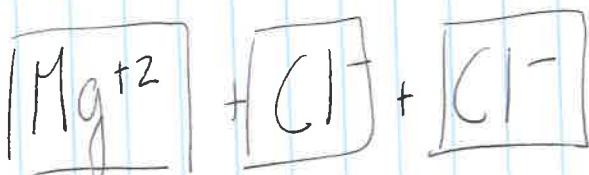
sodium oxide



iron(III) chloride



aluminum oxide



magnesium chloride