NOTES

IONS

IONS

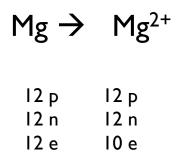
- **IONS** are atoms or groups of atoms with a positive or negative charge.
- Taking away an electron from an atom gives a CATION with a positive charge
- Adding an electron to an atom gives an ANION with a negative charge.
- To tell the difference between an atom and an ion, look to see if there is a charge in the superscript! Examples: Na⁺ Ca⁺² I⁻ O⁻²

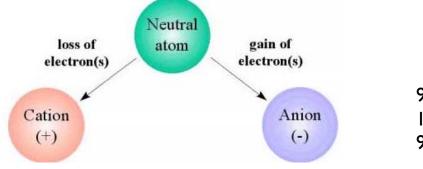
Na Ca I O

FORMING CATIONS & ANIONS

A <u>CATION</u> forms when an atom loses one or more electrons.

An <u>ANION</u> forms when an atom gains one or more electrons





•	/ I
9 p	9 p
10 n	10 n
9 e	10 e

 $F \rightarrow F$