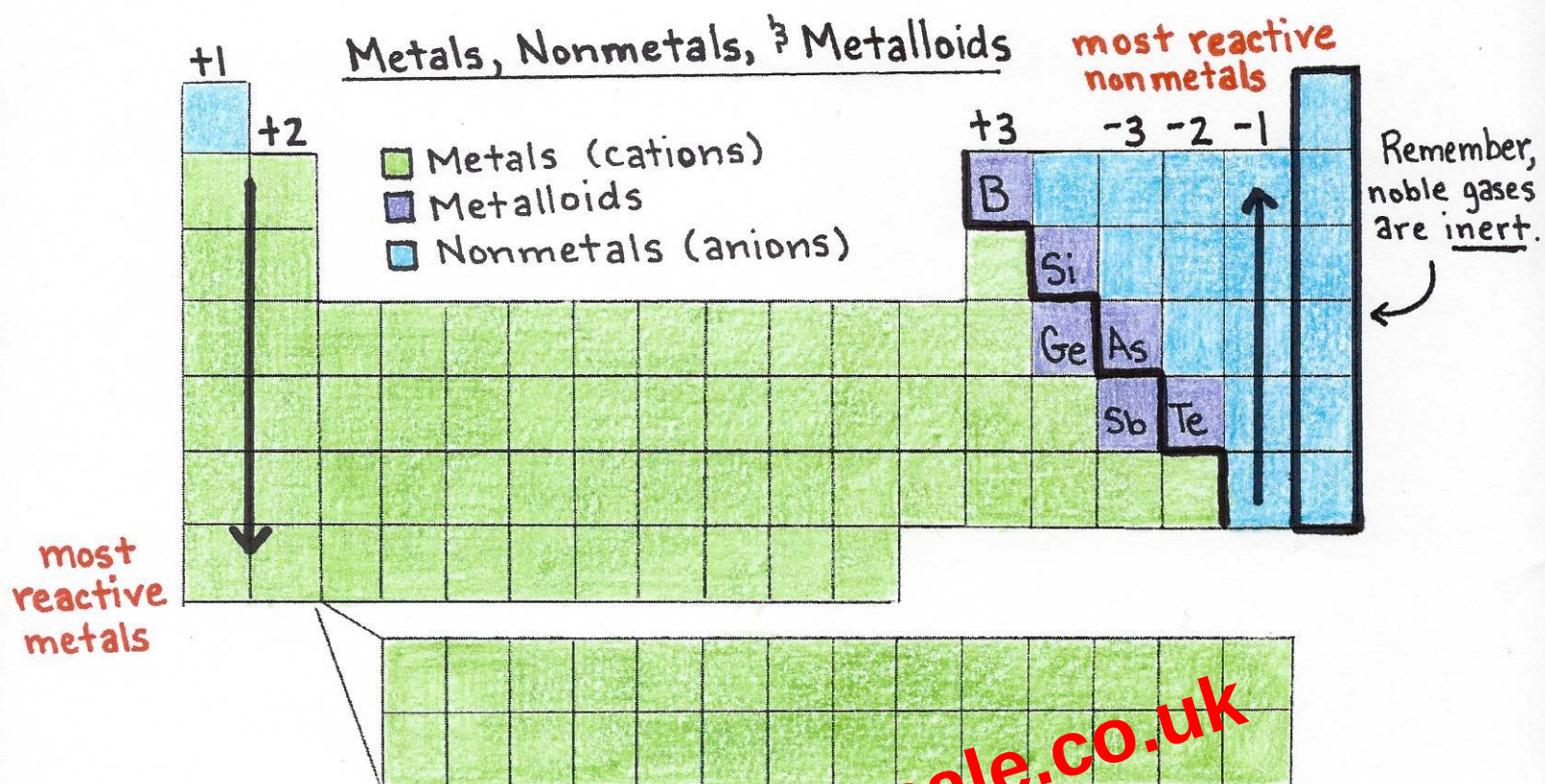




7

Metal + Nonmetal

Polyatomic Ions

Two Nonmetals:

For Ionic Compounds:

- Name the **metal**
- Name the **nonmetal**
- Use **-ide** ending

Examples:

Li_2S : Lithium Sulfide

Mg_3P_2 : Magnesium Phosphide

For Transition Metals:

- Use () & Roman Numerals

FeO : Iron (II) Oxide

Fe_2O_3 : Iron (III) Oxide

acetate



ammonium



carbonate



chlorate



chromate



hydroxide



nitrate



phosphate



permanganate



sulfate



hydrogen



carbonate

- Use **-ide** ending w/ NH_4^+

NH_4Cl : Ammonium Chloride

CaCO_3 : Calcium Carbonate

For Covalent Compounds

- Use Greek Prefixes
- Use **-ide** ending

Mono - 1	Hexa - 6
Di - 2	Hepta - 7
Tri - 3	Octa - 8
Tetra - 4	Nona - 9
Penta - 5	Deca - 10

- Don't use "mono" for the first name.

Examples:

CO : Carbon Monoxide

N_2O_4 : Dinitrogen Tetroxide