METALS AND NON - METALS

PHYSICAL PROPERTIES:

METALS: (E3: Copper, iron, aluminium, magnetium ... etc).

- Custome => shiring surface of metals.
- Hardness & metals are generally hard.
- Mallocalite => metals can be locater into thin sheets
- Dutile => metals drawn into thin wires. -> Gold is the most durille metal
- Metals are good conductors of heat and have high melting points.

 (Best: silver and apper).

 (Poor: Lead and Mercury).
- Sonority => the sound which metals make when lit with some force.

NON - METALS: (Eg. Carbon, Sulphun, Tooline, Oxygen, Aydrugen ... etc).
Opposites of metals with some exceptions.



- · We cannot group elements only on the losses of physical properties, as there are many exceptions
 - Mercury is a metal which is in the form of liquid at room temperature.
 - Todine is a non- metal but luctorous.
 - Carbon is a non-metal, it can exist in alifferent forms. Each form is called all otrupe.

L) Diamond is the most hardest natural substance and is an alletrope.

- unaphite is a conductor of electricity.
- Alkali metals (sedium, potensium) can be out by brifl.

Metals and Non-Hetals can be clossified more clearly from their chemical properties:

CHEMICAL PROPERTIES OF METALS:

· Medal reacts with air:

Metal + Onygen -> Metal Oxide

(copper) (copper (#) oxide).

· 4Al + 302 > 2Al2O3 (Aluminium) (Aluminium onide).



