

PERIODIC TABLE

- Non - metal \rightarrow 20%

Metal \rightarrow 80%

* Protons = the number of electrons

METALS

1. Good conductors of heat
2. ✓ Conduct electricity
3. They are shiny when polished / freshly cut
4. Have high melting / boiling points
5. Their oxide form basic oxides
6. They are ductile (can be drawn into wire)
7. Are malleable (can be easily shaped)

Protons = Positive charge

Mass \rightarrow 1

Both in Neutrons = no charge
nucleus

Mass \rightarrow 1

Electrons = Negative charge

spin around the nucleus

Mass \rightarrow $1/1840$ (O)

Non-metals

1. Bad conductors
2. X conduct electricity
3. tend to brittle whilst solid
4. Low melting / boiling points
5. Oxide form acidic solution

Electron \rightarrow responsible for atom's chemical properties

Electrons are arranged in energy levels / electron shells & it spins really fast around the nucleus.

Relationship of electron configuration wth/ group num \downarrow

The last digit of configuration is the group num.

The outer shell is full in noble gases.

Number of circles in configuration = period number

LUSTROUS \rightarrow when metals are polished

FLEXIBLE \rightarrow can bend

DUCTILE \rightarrow can be drawn into wires

MALLEABLE \rightarrow can be easily shaped

SONOROUS \rightarrow sounds

ELECTRICAL CONDUCTOR \downarrow

conduct electricity

THERMAL CONDUCTOR \downarrow

conduct heat

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