

C3B- Periodic Table & Useful Substances

Keywords	Definitions
Periodic Table	The table off all the elements
Groups	Vertical columns on the periodic table
Periods	Horizontal rows of the periodic table
Alkali metals	Group 1 metals
Halogens	Group 7 non-metals
Noble gases	Group Zero
Ceramics	Clay that has been fired
Polymers	Large molecules made up of many monomers repeatedly joined
Monomer	Small molecule, repeatedly joined to form larger molecules
Composites	Consists of two or more materials joined together with different properties.

Group1 – Alkali metals

Soft Metals.
Low density.
Highly reactive.
ions.
Stored in oil
Become more reactive down the group

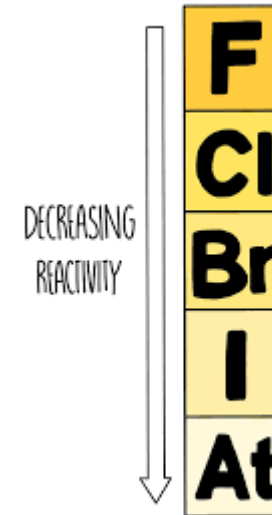


Ceramics
Porcelain,
plates, toilets
Stong,
unreactive and
brittle.

Polymers
E.g. Plastic,
polyesters,
nylon.
Polythene
Man-made &
synthetic
polymers

Group 7- The Halogens

Reactive
non-
metals
Gas,
liquid and
solids at
room
temperat
ure
Highly
reactive



Composite material

A composite material is a combination of two materials with different properties. When they are combined they create a material which is specialised to do a certain job.

Reinforcement

Reinforcement materials add rigidity. They enforce the properties of the matrix and are harder, stronger, and stiffer than the matrix.

Matrix

A matrix binds the fiber reinforcement. It provides the composite component its shape and directs its surface quality.