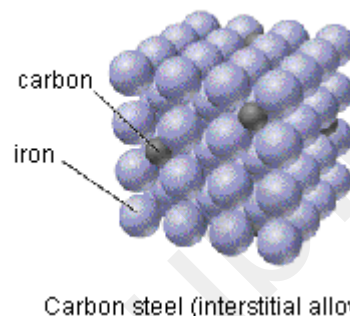
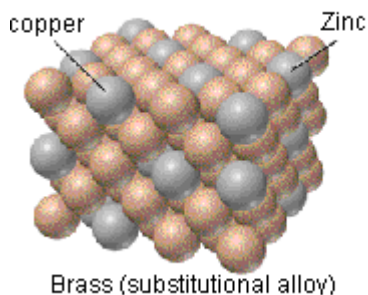


Alloys

- Alloys are mixtures of two metals or one or more metal with a non metal



- When a metal is alloyed, the different sized atoms of the second metal, make the lattice arrangement of the first metal irregular. This prevents the metal layers from sliding past over each other when a force is applied. Thus making the alloy stronger than the original metal.

Alloys-Properties and uses

Alloys	Properties	Uses
Brass (Copper+ Zinc)	Stronger than copper but still malleable	Musical instruments. ornaments
Bronze (Copper + Tin)	Very hard	Some moving parts of statues, machines, bells
Stainless steel (Iron+ Chromium+ Nickel)	Does not rust like iron	Car parts, cutlery, surgical instruments