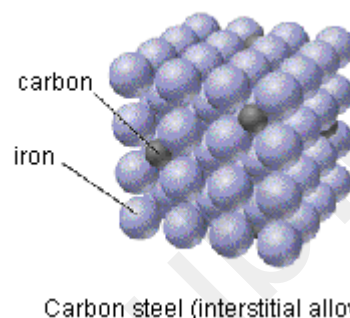
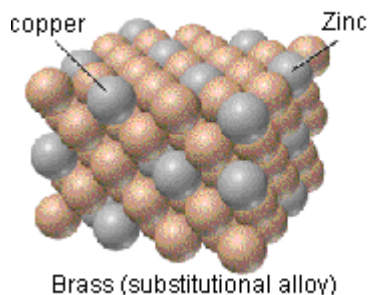


Alloys

- 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 |
