

→ BASIS :-

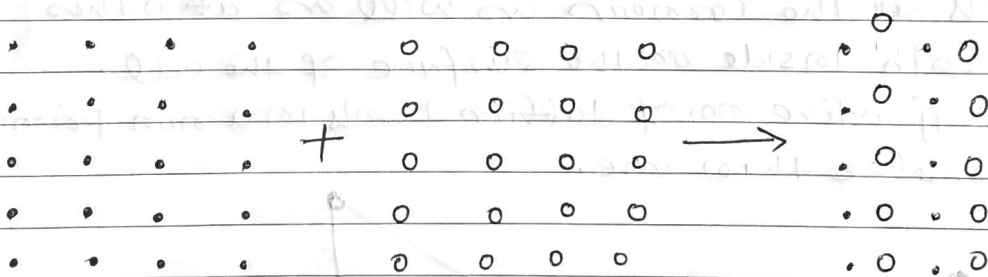
The space lattice has been defined as an array of imaginary points which are so arranged in space that each point has identical surroundings. The crystal structure is always described in terms of atoms rather than points.

Thus in order to obtain a crystal structure, an atom or a group of atoms must be placed on each lattice point in a regular fashion.

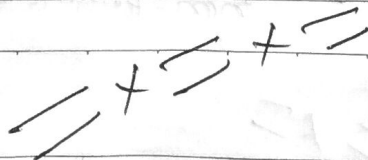
Such an atom or a group of atoms is called the "Basis" and acts as a building unit or a structural unit for the complete crystal structure. Thus a lattice combined with a basis generates the crystal structure.

i.e.

Space lattice + Basis → Crystal structure.



Lattice + Basis → Crystal structure.



The no. of p...