This leads to a Larger yield stress & a harder material; e.g. steel vs. iron where the impurity is carbon in steel.

e) Point defects
- Vacancy
- Interstitial Atom (Carbon in Steel)
- Substitutional Atom (Zn in Cu) (Small or Large)
- Frenkel defect
- Schottky defect

Screw Dislocation
Edge Dislocation
Mixed Dislocation

Twining Surface defect
Grain Boundary
- Small angle or Large angle