

Defects in Crystal

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graph TD; A[Defects in Crystal] --> B[Point Defects]; A --> C[Line Defects(1D)]; A --> D[Surface Defects(2D)]; A --> E[Surface Defects(3D)];
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Point Defects

- Vacancy.
- Interstitial.
- Substitutional.
- Frankel and Schottky defects.

Line Defects(1D)

- Edge Dislocation.
- Screw Dislocation.

Surface Defects(2D)

- **Twin boundary.**
- Grain boundary.
- Phase boundary.
- Stacking faults.

Surface Defects(3D)

- Voids.
- Inclusions.
- Cracks.
- Precipitates.