

Hong Gundy
Automotive materials
ACHA6012

1703078

13/05/22

2.

c) Point defects can be found within ~~metals~~ ^{metals} with missing atoms within the lattice structure. This leads to vacancies within the structure causing the surrounding atoms to distort. Point defects can be caused by an atom interstitial in the lattice structure. Line defects are where whole rows of atoms in a solid form are arranged anomalously by regular ~~irregularly~~ spacing is most severe along a line called the line of dislocation. Area defects are a large area discontinuity in the lattice the defects occur during lattice growth but crystals having such defects are not considered usable for its manufacture and are degraded.

d) The ~~dislocation~~ dislocation movement is classed as the Secondary creep, the dislocations are generated ~~by~~ and move when the stress is applied to it to help.