



Fig. 2.22 (a) Illustration of secondary nucleation of an atom (1) on a (111) plane in a fcc lattice. In the same diagram, the double-twin mechanism of crystal growth is indicated for an atom (2). (b) Illustration of the screw dislocation growth mechanism in a simple cubic lattice with the attachment of atom (3) on the step. Copyright 2016 EPFL Press. This figure has been reproduced from *Solidification*, by J.A. Dantzig and M. Rappaz, for instructional purposes. For other uses, please contact the authors and the EPFL Press for written permission.