



Fig. 2.5 Schematic of the mixing of n_A moles of A atoms/molecules with n_B moles of B atoms/molecules. Before the components are mixed, there are only A-A and B-B bonds; upon forming a solution, some of these bonds are replaced by A-B bonds. This becomes important when we discuss the free energy of the solution. 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.