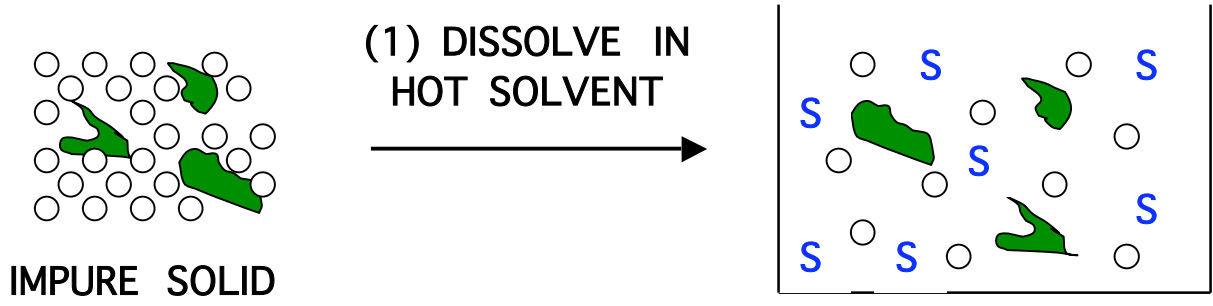
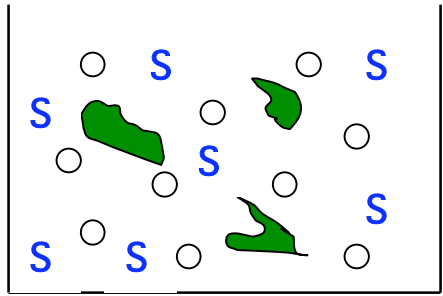


HOW SOLUBLE IMPURITIES ARE REMOVED FROM AN IMPURE SOLID BY RECRYSTALLIZATION.



IMPURE SOLID

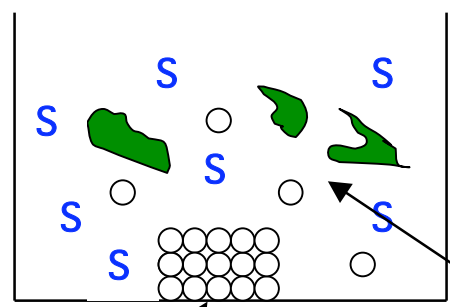
(1) DISSOLVE IN HOT SOLVENT



○ = MOLECULE OF DESIRED COMPOUND  
= SOLUBLE IMPURITY

(S = SOLVENT MOLECULES)

(2) ALLOW TO COOL SLOWLY AND UNDISTURBED



MOST OF DESIRED MOLECULES CRYSTALLIZE.

(NEXT SLIDE)

SOME OF DESIRED MOLECULES, ALONG WITH SOLUBLE IMPURITIES REMAIN IN SOLUTION.