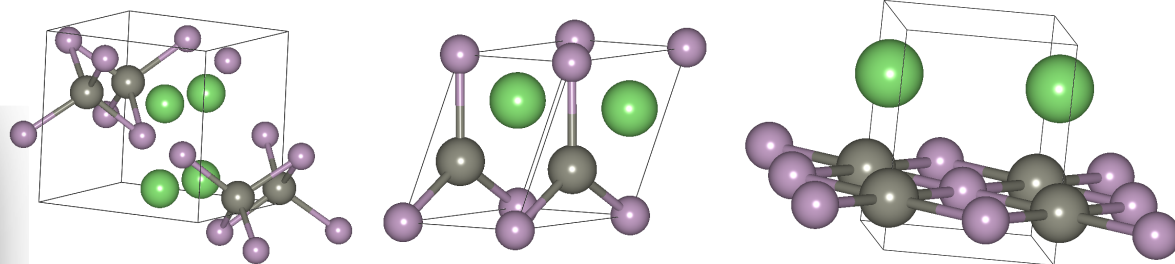# Genetic Algorithm

SEED
Start with random or best guesses as initial popn.

CROSSOVER
Breed two structures by combining periodic cuts of each

Generate new structures from the current generation

MUTATE
Randomly alter atomic species, positions or lattice

COMPETE
Relax structures with DFT and assess formation energies. Bring only the fittest structures through to the next generation

REPEAT
Repeat for several generations