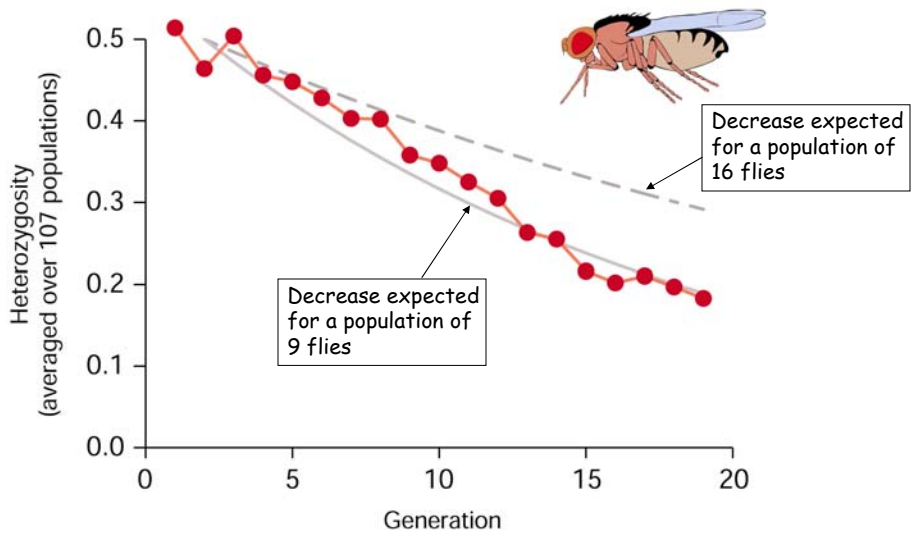
An allele's chance of fixation is equal to its present frequency

107 vials were set up with 8 male and 8 female heterozygotes (bw/bw^{75})

Eight males and 8 females were then selected randomly in each line, for each of the next 19 generations.

Peter Buri's experiment with *brown* eye-color mutants in *Drosophila melanogaster*

Allele frequencies diverged randomly, but the average (overall) heterozygosity decreased each generation



3-D views of Buri's data, and of a theoretical prediction