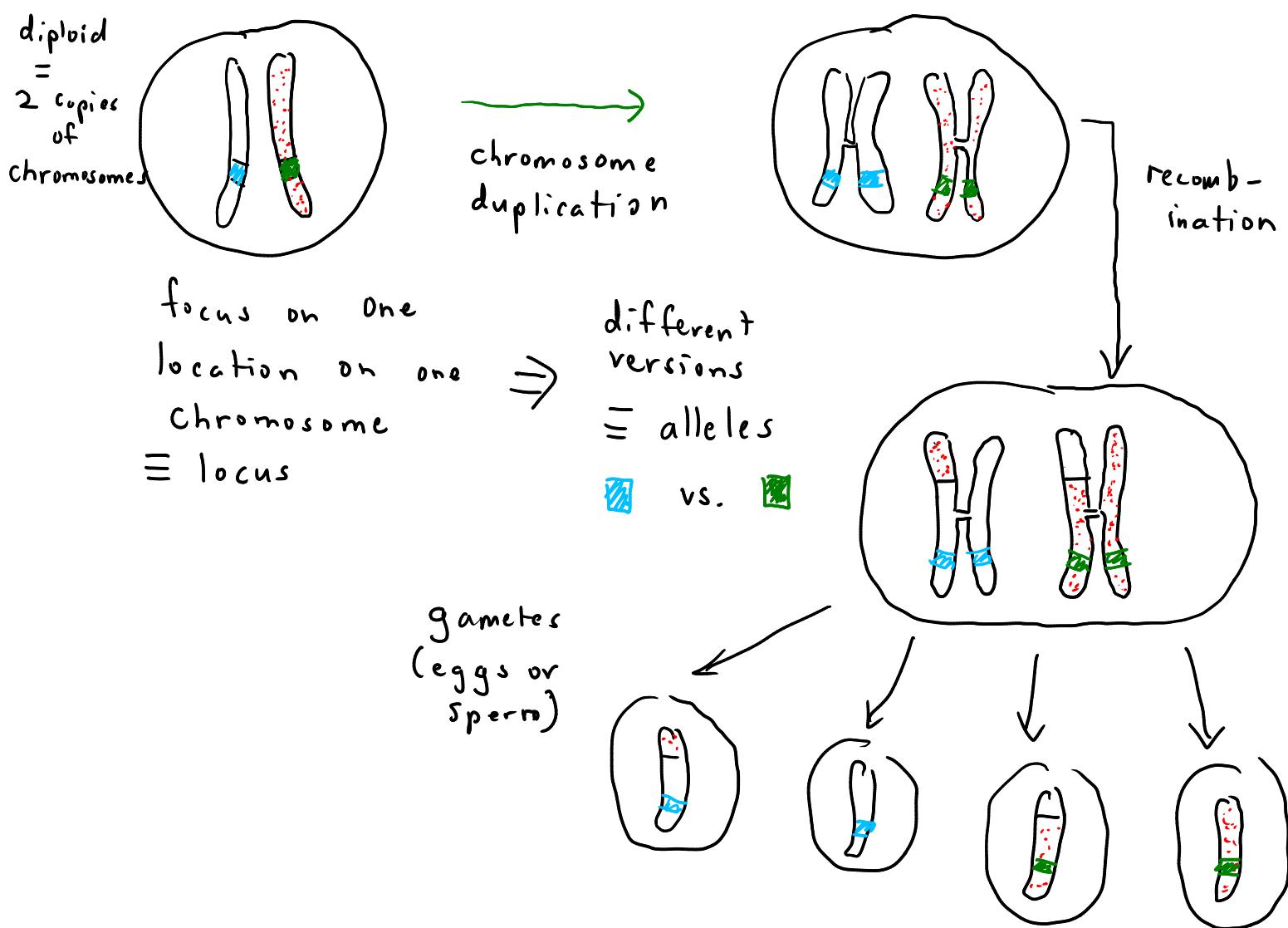
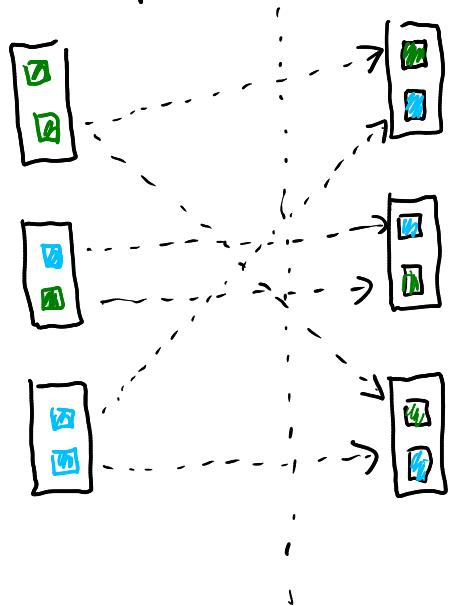


Simplified view of biological "copying":



abstract away whole reproductive process:

focus on one locus across whole population of species



"dumb" model:

Wright-Fisher model (WF):

choose each "parent" of an allele randomly from previous generation

Reasons why WF is dumb:

will fix

- real mating is not random ✓
- real populations change in size ✓
- no fitness differences (arrows completely random) \Rightarrow no natural selection ✓
- no accounting for male/female or asexual / sexual ✓
- self-fertilization here is technically allowed (fix for $N \rightarrow \infty$) ✓
- no migration (or any other spatial effects) ○
- generation time here is constant ✓