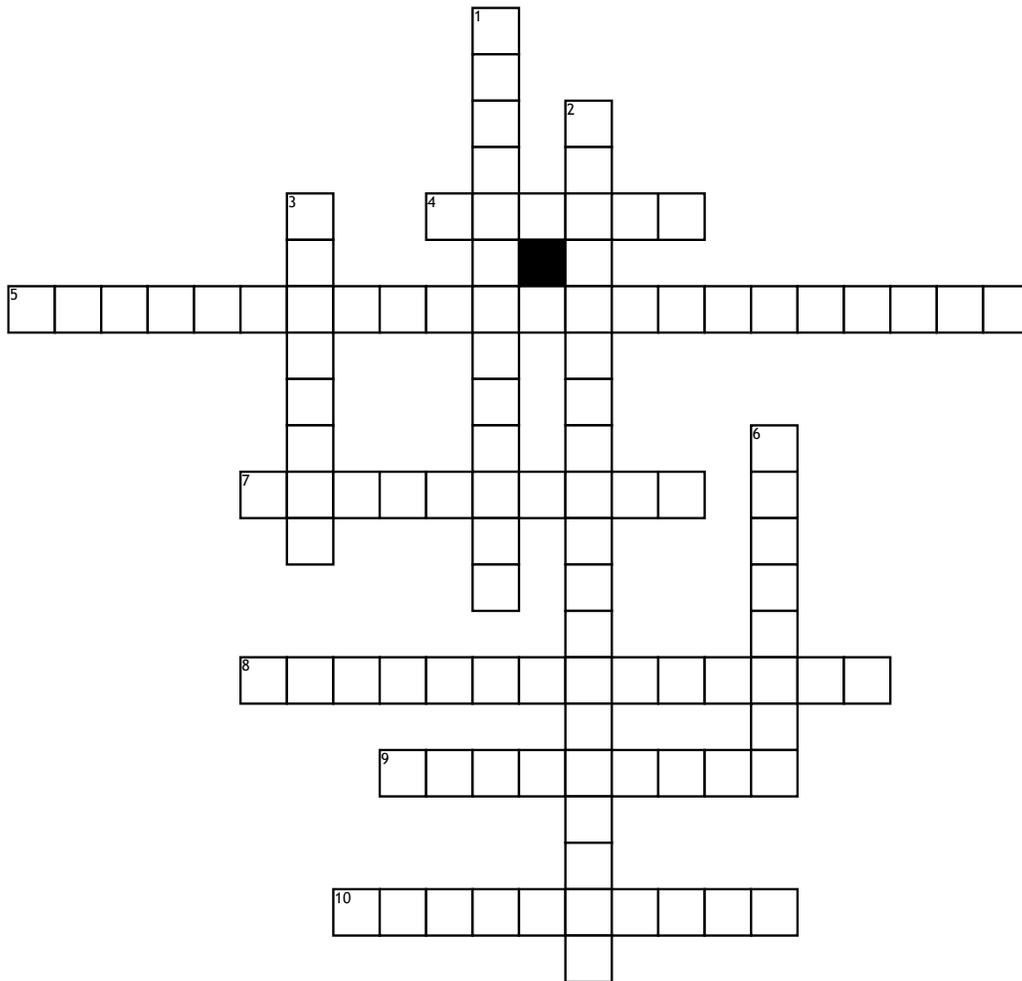


Evolution of Populations



Across

4. each organism has a unique what?
5. chromosomes separate independent of each other at metaphase of meiosis
7. group of individuals of the same species, that live in the same area, & interbreed
8. change in the relative frequencies of alleles in a population over generations
9. organisms typically show individual what?
10. changes in the _____ sequences of DNA result in mutations

Word Bank

independent orientation
punnett square
nucleotide
geographic isolation

variation
mutation
genome

population
microevolution
gene pool

Down

1. uses gamete allele frequencies to calculate genotypes of next generation
2. prevents exchange of genetic material
3. consists of all copies of every allele type, at every locus, in all members of population
6. the ultimate source of new alleles & genetic variation