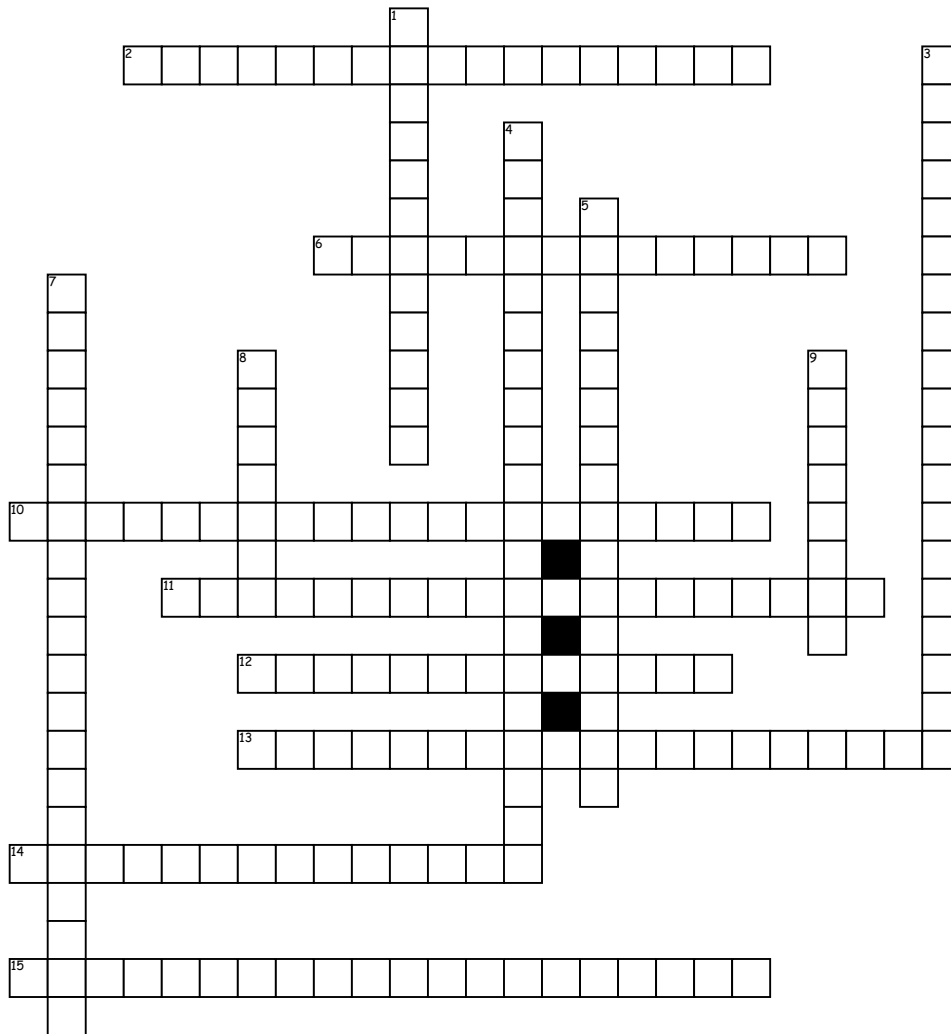


Genetics and Evolution



Across

2. a process in which a single species evolves into many new species
6. following a population or species over time
10. the average traits are most "fit"; extremes are considered most "unfit"
11. when extremes are considered most "fit"; average is "unfit"
12. when a new colony is created by a few members of the original population

13. "before zygote;" a new species will not form a zygote with the original species

14. the adaptations that occur over time and create a new species

15. zygote is formed, but something is wrong with the zygote (ex: offspring is sterile)

Down

1. a change in allele frequencies in a small population

3. no geographic barrier, but speciation still occurs

4. one extreme trait is chosen

5. a sudden decrease in population and allele frequencies in a population due to density-independent factors

7. when there is a geographical barrier causing a new species to form

8. a group of similar organisms that can interbreed and produce fertile offspring

9. a change in allele frequencies due to the movement of individuals in and out of a population

Word Bank

founder effect

bottleneck effect

species

adaptive radiation

sympatric speciation

macroevolution

stabilizing selection

microevolution

prezygotic isolation

directional selection

genetic drift

allopatric speciation

disruptive selection

gene flow

post zygotic isolation