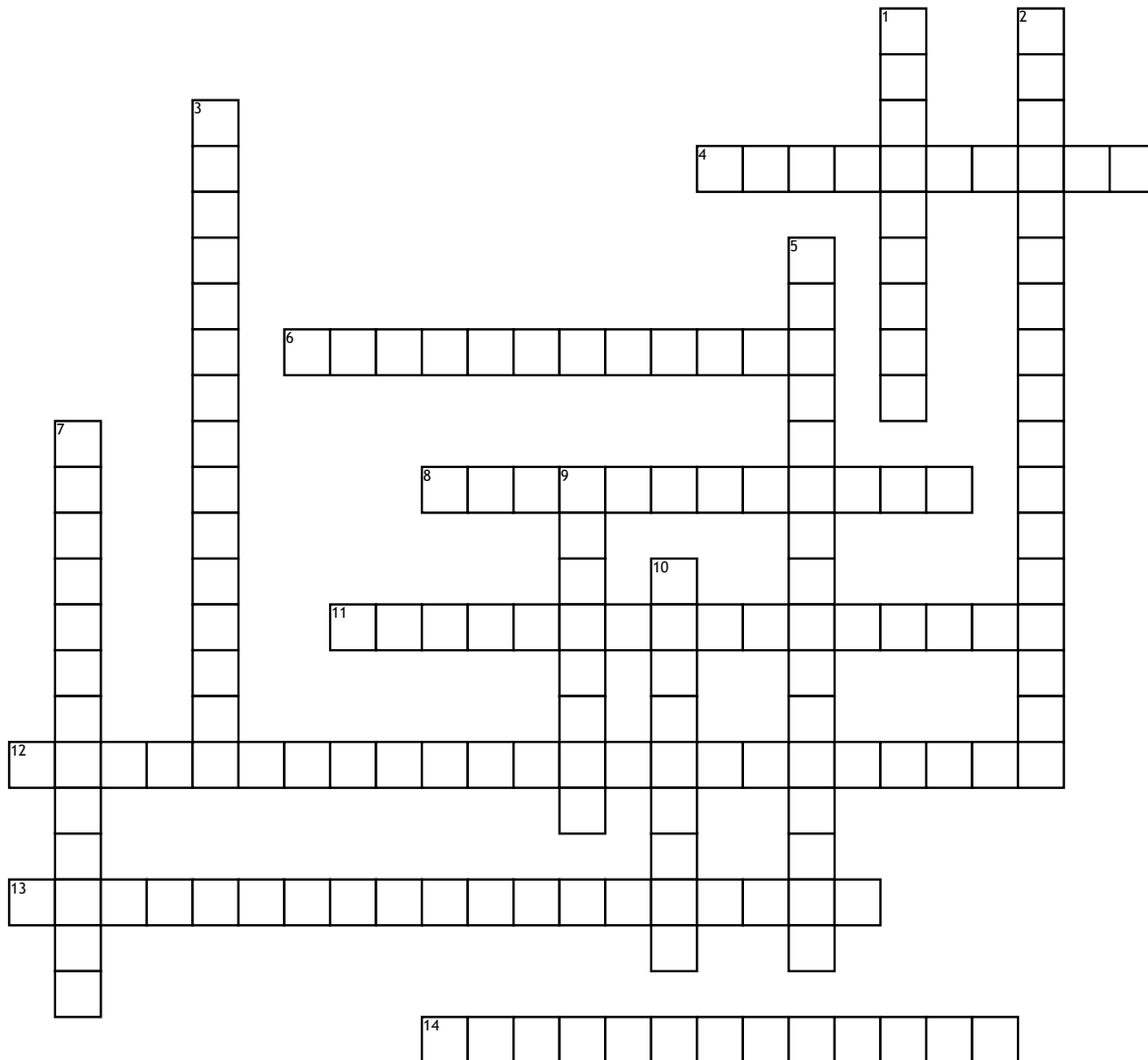


Chapter 22



Across

4. Body structures that share a common origin
 6. Random changes in allele frequency due to chance events
 8. The impact of geographic barriers and continental drift on evolution
 11. Due to major catastrophe wiping out most of a population
 12. All organisms share a common ancestor
 13. Changes to the genes of an organism

14. British naturalist of the mid 1800's; scientist who coined the "theory of evolution"

Down

1. Body structures that share a common function but not a common ancestry
 2. Concept that has routinely withstood numerous attempts to falsify, still being the best explanation for established facts
 3. Generations of organisms undergoing slow changes that make them different from their ancestors

5. "Survival of the fittest."

Individuals with favorable traits were more likely to survive and reproduce. This also resulted in random mutations in DNA

7. A few individuals leave a population and start a new one somewhere else

9. Immigration or emigration of a population; increased today due to international travel

10. Structures with no known function