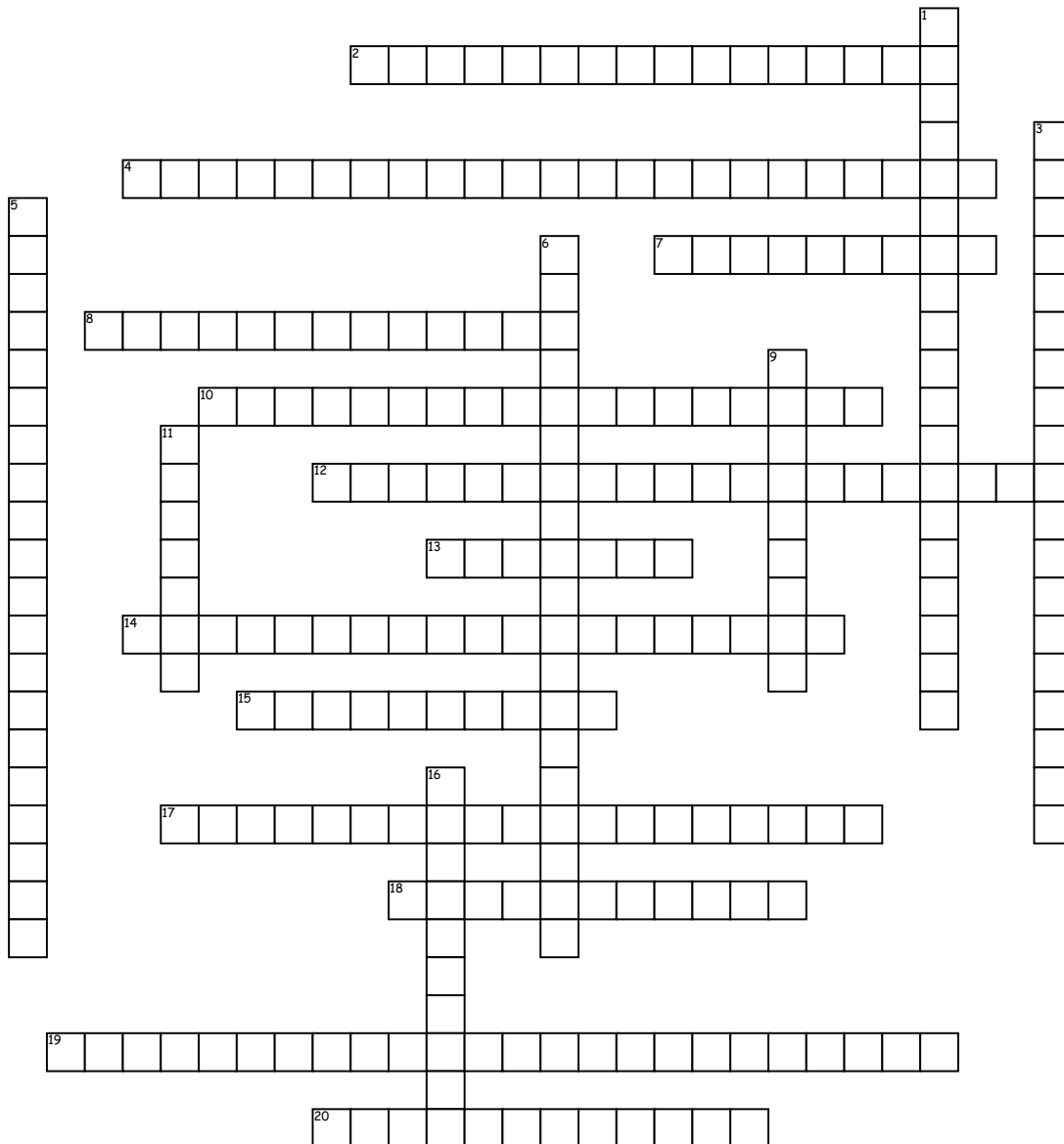


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Evolution Island Crossword



## Across

2. A process in which individuals that have certain inherited traits tend to survive and reproduce at higher rates than other individuals because of those traits.

4. Changes to an organisms metabolic or internal processes

7. The sequence of events involved in the evolutionary development of a species or taxonomic group of organisms

8. This person was born in 1809 and died in 1832. He wrote "On the Origin of Species by means of Natural Selection." He went on a 5 year trip on the HMS Beagle.

10. A form of evolution in which the same organism is placed into different environments with different selection pressures. This causes organisms to evolve differently, to diverge from their common ancestor. The resulting (new) species may share structural (but not necessarily functional) similarity; divergent evolution produces homologous structures.

12. Structures in different species that are similar because of common ancestry.

13. Ability of an organism to survive and reproduce in its environment

14. Breeding organisms with specific traits in order to produce offspring with identical traits.

15. A trait that helps an organism survive and reproduce

17. Remnant of a structure that may have had an important function in a species' ancestors, but has no clear function in the modern species.

18. Process by which two species evolve in response to changes in each other

19. Phenomenon in which individuals with adaptive genetic traits produce more living offspring than do individuals without such traits.

20. A change in the allele frequency of a population as a result of chance events rather than natural selection.

## Down

1. Structures that do not have a common evolutionary origin but are similar in function

3. This person (1744-1829) stated the principle of use and disuse: the idea that parts of the body that are used extensively become larger and stronger, while those that are not used deteriorate. He also stated principle of inheritance of acquired characteristics: an organism could pass modifications to its offspring. He was the first on to think about this.

5. A physical feature of an organism's body having a specific function that contributes to the survival of the organism

6. Process by which unrelated organisms independently evolve similarities when adapting to similar environments

9. Form of relocation diffusion involving permanent move to a new location.

11. Ability of an animal to look like another more harmful animal

16. A structural adaptation that enables an organism to blend in with its environment