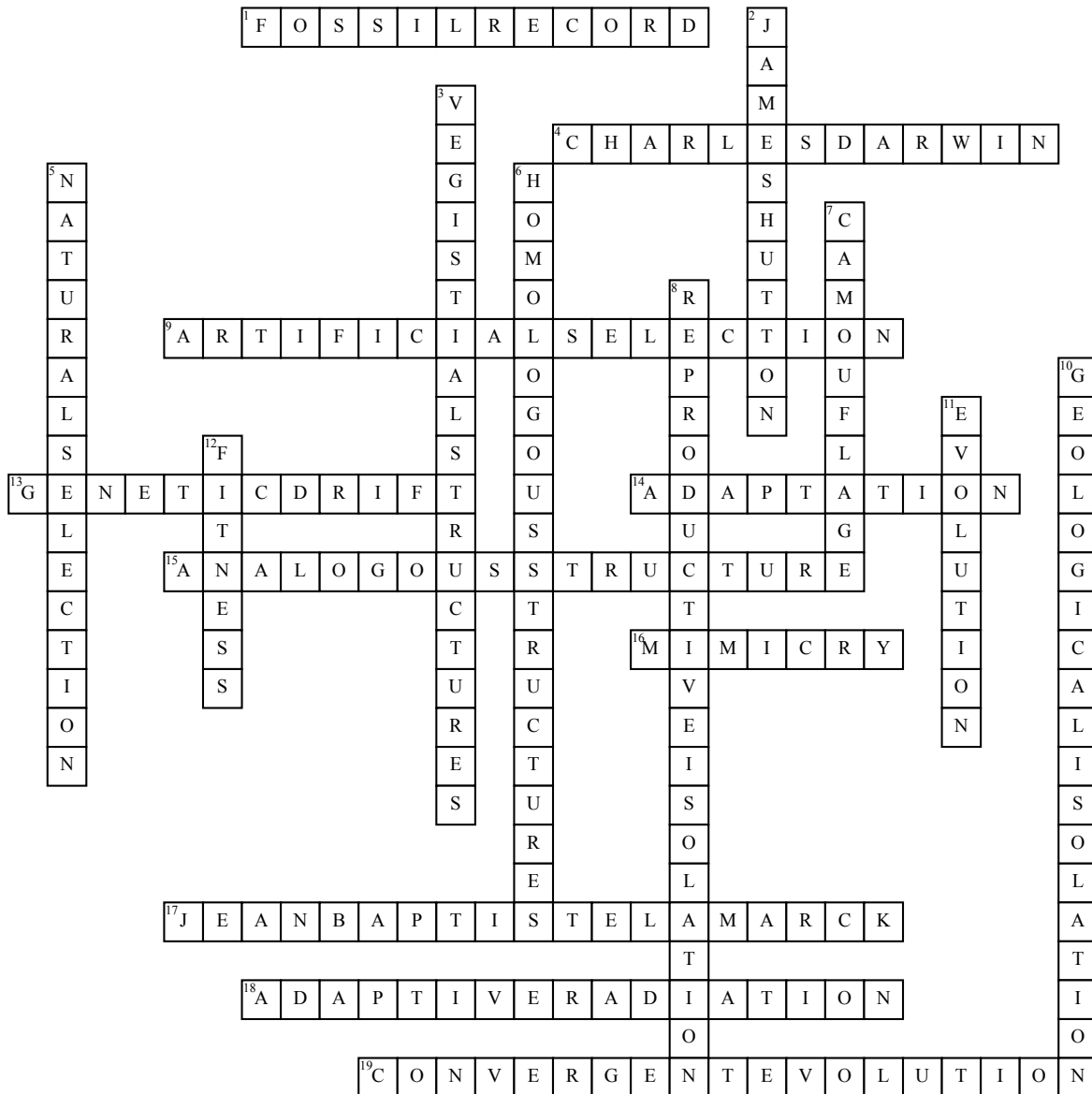


Evolution Vocabulary



Across

1. to the total number of fossils that have been discovered, as well as to the information derived from them

4. A British naturalist of the nineteenth century. He and others developed the theory of evolution

9. the intentional reproduction of individuals in a population that have desirable traits

13. variation in the relative frequency of different genotypes in a small population, owing to the chance disappearance of particular genes as individuals die or do not reproduce

14. is a trait with a current functional role in the life of an organism that is maintained and evolved by means of natural selection

15. having the same function but have evolved separately, thus do not share common ancestor.

16. the action or art of imitating someone or something

17. believed that living things evolved in a continuously upward direction, from dead matter, through simple to more complex forms, toward human "perfection."

18. the diversification of a group of organisms into forms filling different ecological niches

19. the process whereby organisms not closely related, independently evolve similar traits as a result of having to adapt to similar environments or ecological niches

Down

2. was a Scottish geologist, physician, chemical manufacturer, naturalist, and experimental agriculturalist.

3. structures or attributes that have lost some or all of their ancestral function in a given species, but have been retained during the process of evolution

5. the process whereby organisms better adapted to their environment tend to survive and produce more offspring

6. underlining anatomical commonalities demonstrating descent from a common ancestor

7. adaptation that allows animals to blend in with certain aspects of their environment

8. collection of evolutionary mechanisms, behaviors and physiological processes critical for speciation

10. a population of animals, plants, or other organisms that are separated from exchanging genetic material with other organisms of the same species

11. the process by which different kinds of living organisms are thought to have developed and diversified from earlier forms during the history of the earth

12. means the ability to survive to reproductive age, find a mate, and produce offspring