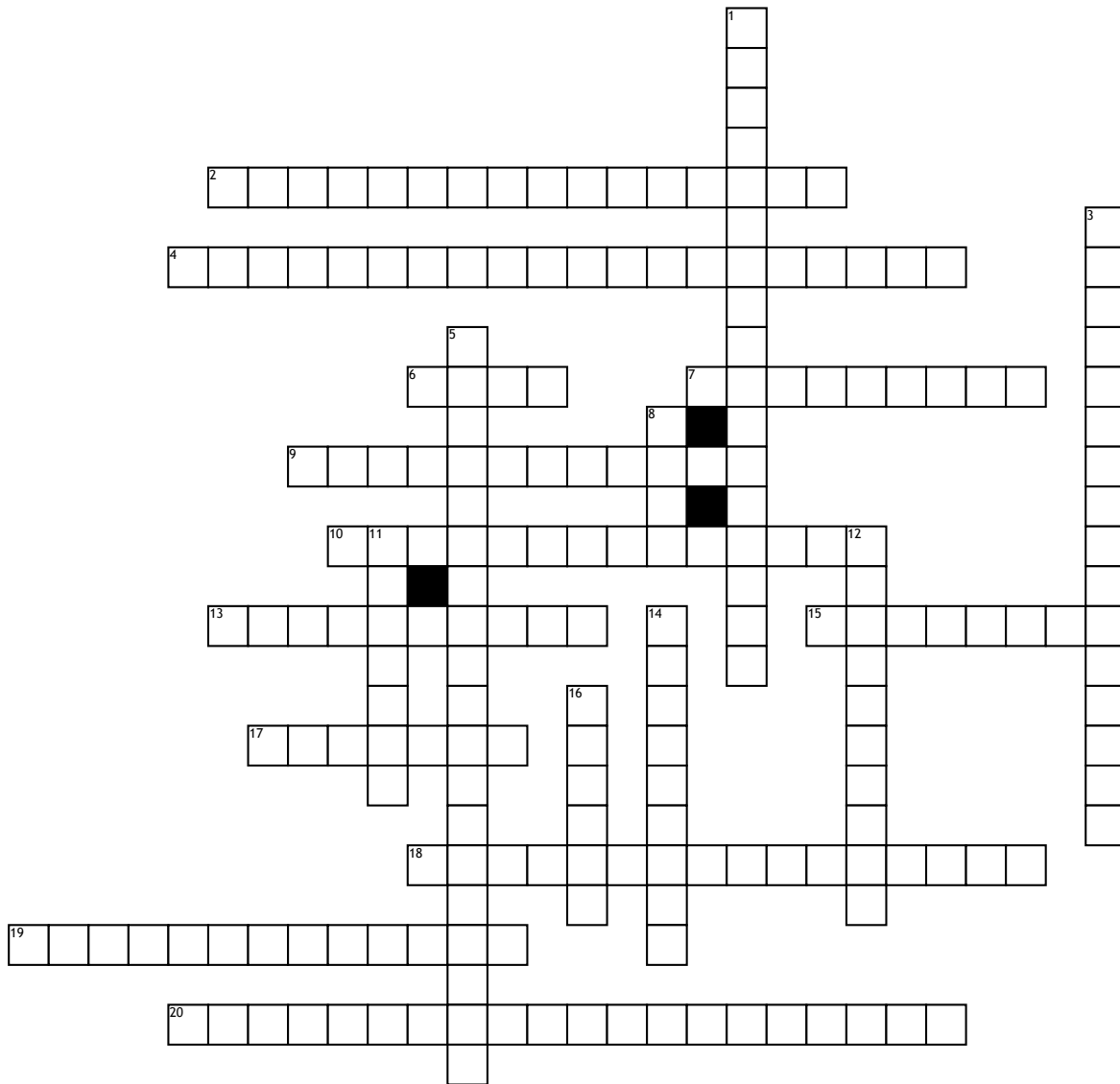


# Changes Over Time Vocabulary



## Across

2. A well-tested concept that explains a wide range of observations.
4. Similar structures that related species have inherited from a common ancestor.
6. A copy of the shape of an organism that made the mold.
7. The gradual change in a species over time.
9. The fossils that scientists have collected.
10. To determine which of the two fossils are older
13. A trait that helps an organism survive.

15. Of a radioactive element it is the time it takes for half of the atoms in a sample to decay
17. A group of similar organisms that can mate with each other to produce a fertile offspring.
18. Gradually, the minerals replace the remains, changing them into rock
19. A diagram that shows how scientists think different groups of organisms are related.
20. A theory that accounts for the gaps in a fossil record.

## Down

1. Allows scientists to determine the actual age of fossils

3. The process of which individuals that are better adapted to their environment and are more likely to survive and reproduce than other members of the same species.
5. Unstable elements that decay or break down into different elements.
8. A hollow space in sediment in the shape of an organism or part of an organism.
11. When no members of a certain species is alive.
12. Purposes that evolution occurs slowly but steadily.
14. Any difference between individuals of the same species.
16. The preserved remains or traces of an organism that lived in the past.