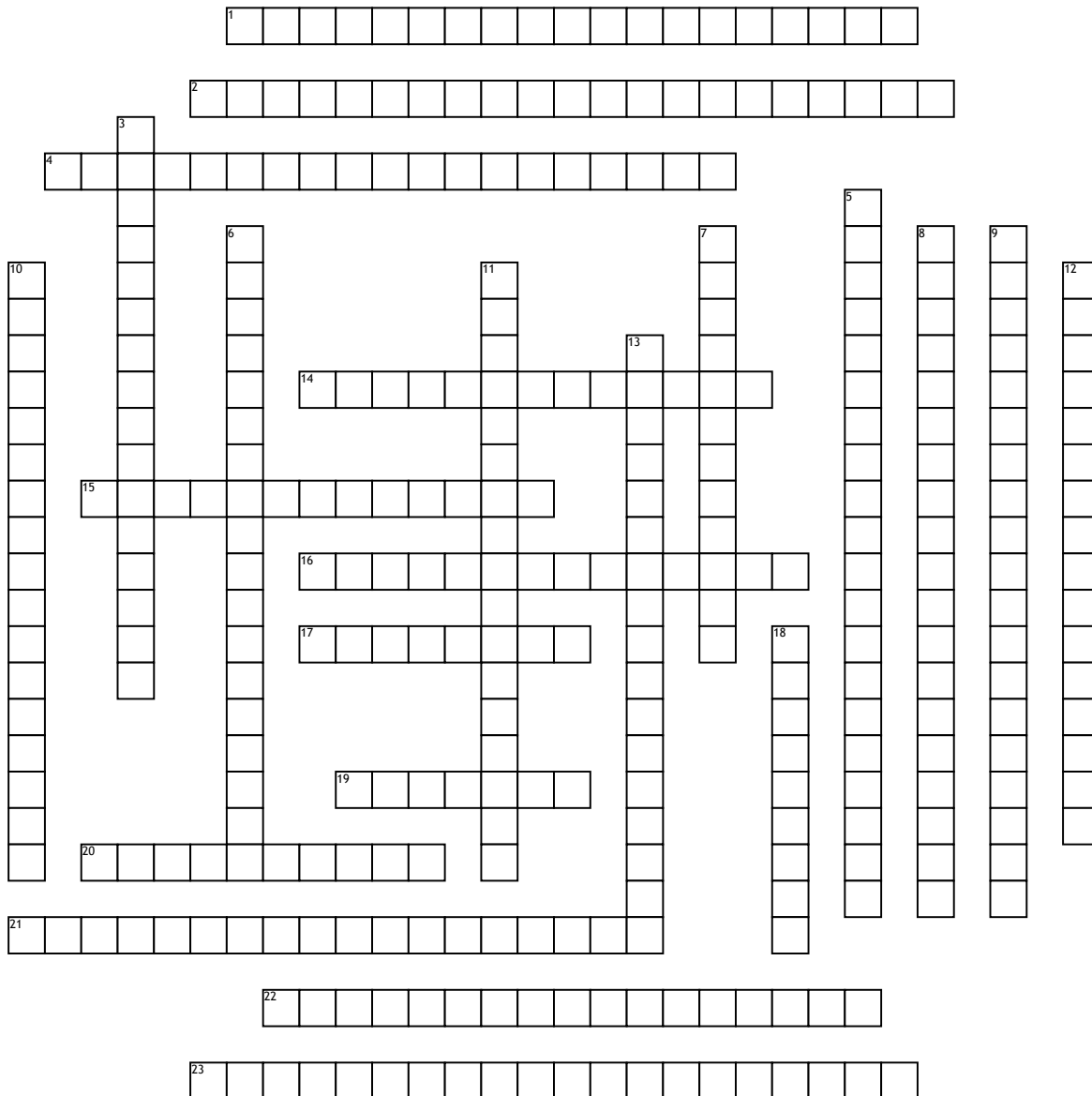


8.L.4.1



Across

1. The process whereby earth's life changes over time through changes in the genes of
2. The physical features of an organism that help it survive, like the bill on a bird or the fur
4. How Earth's surface has changed over time, ex: continental drift
14. English natural scientist who formulated a theory of evolution by natural selection (1809-1882)
15. A German scientist who proposed the theory of continental drift in the 1900's
16. The theory that pieces of Earth's lithosphere are in constant motion, driven by convection currents in the mantle.
17. The scientific study of how living things are classified

19. The name of the single landmass (supercontinent) that broke apart 200 million years ago and gave rise to today's continents
20. The branch of biology and medicine concerned with the study of embryos
21. The comparison of body structures and how they vary among species
22. A measure of the ability to survive and reproduce relative to other members of the
23. An inherited behavior that helps an organism survive.

Down

3. The hypothesis that the continents slowly move across Earth's surface.
5. Structures in different species that are similar because of common ancestry.
6. A plate boundary where two plates move toward each other.
7. The variety of life in the world or in a particular habitat or ecosystem.

8. Similar function but different structure - does not show common ancestry - Ex: butterfly wing and bat wing)
9. Remnant of a structure that may have had an important function in a species' ancestors, but has no clear function in the modern species.
10. The process that creates new sea floor as plates move away from each other at the mid-ocean ridges
11. A plate boundary where two plates move away from each other.
12. 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.
13. A plate boundary where two plates move past each other in opposite directions
18. Proposed the theory of sea-floor spreading