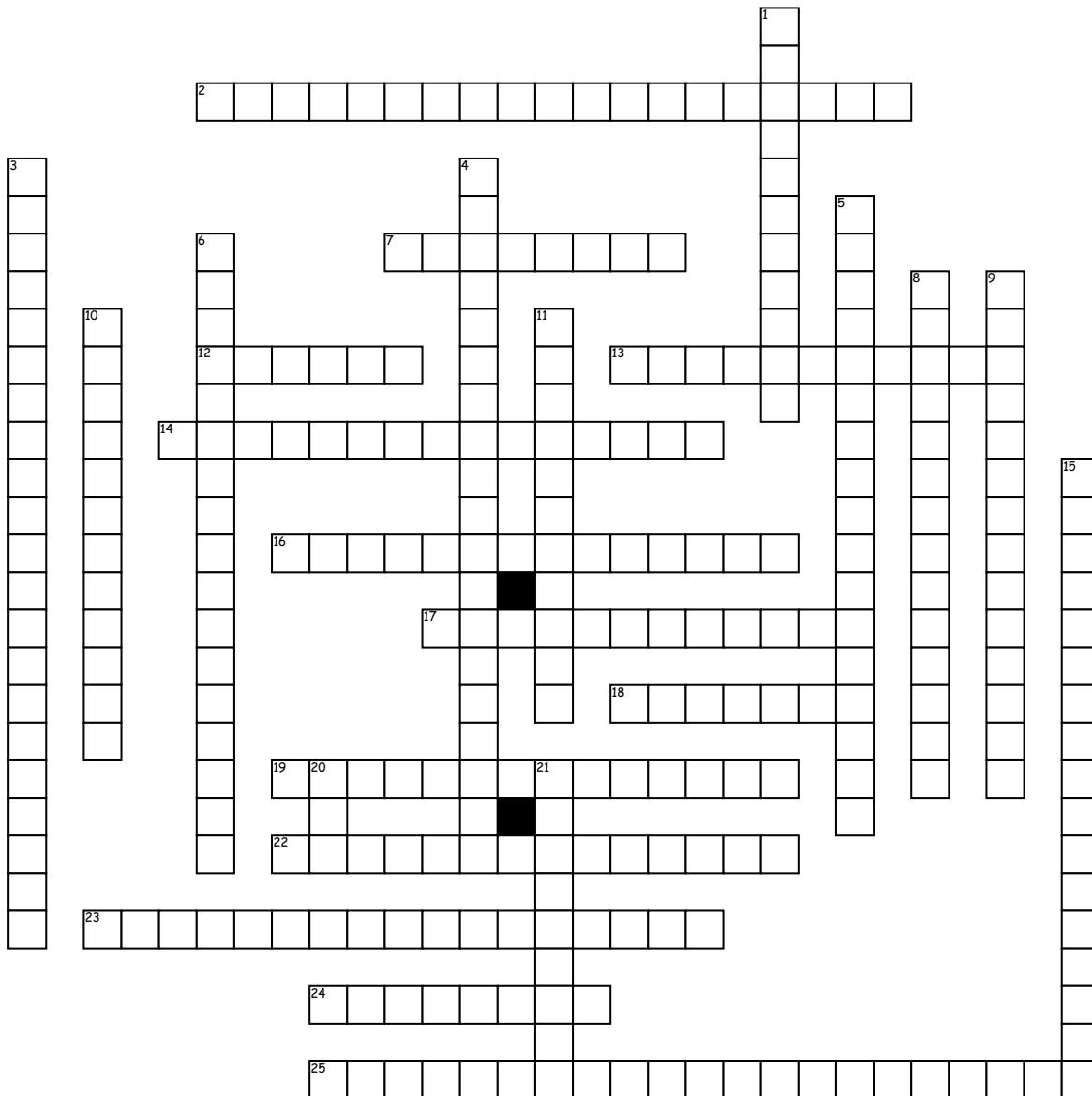


The History Of Life And Evolution



Across

2. theory that eukaryotic cells formed from a symbiosis among several different prokaryotic organisms

7. combined genetic drift information of all the members of a particular population

12. unit of time which era is divided

13. microscopic fossil

14. trait controlled by a single gene

16. large-scale evolutionary changes that take place over long periods of time

17. information about past life, including the structure of organisms, what they ate, what ate them, in what environment they lived in, and the order in which they lived

18. term used when a species has died out

19. method of determining the age of a fossil by comparing its placement with that of fossils in other layers of rock

22. scientist who studies fossils

23. number of times an allele occurs in a gene pool compared with the number of times other alleles occur

24. length of time required for half of the radioactive atoms in a sample to decay

25. tiny bubble, formed of large organic molecules, that has some characteristics of a cell

Down

1. process by which at species evolve in responding to changes in each other

3. pattern of evolution in which long stable periods are interrupted by brief periods of more rapid change

4. process by which unrelated organisms independently evolve similarities when adapting to similar environments

5. technique in which scientist calculate the age of a sample based on the amount of remaining radioactive isotopes it contains

6. process by which a single species or a small group of species evolves into several different forms that live in different ways; rapid growth in the diversity of a group of organisms

8. events in which many types of living things become extinct at the same time

9. trait controlled by two or more genes

10. random change in allele frequencies that occur in small populations

11. distinctive fossil used to compare the relative age of fossils

15. scale used by the phenomenologist to represent evolutionary time

20. one of several subdivisions of the time between the precambrian and the present

21. change over time