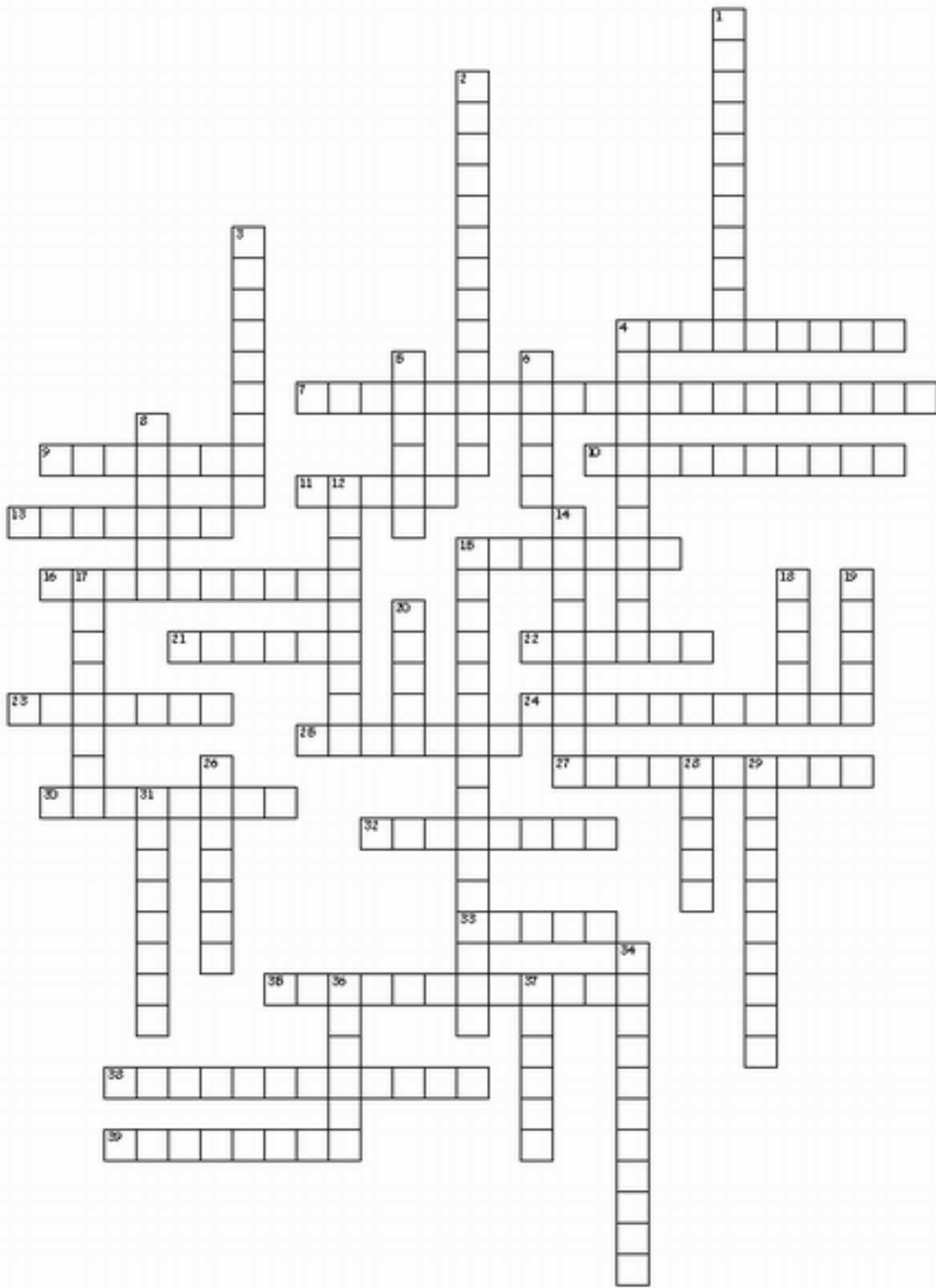


Taxonomy



Across

4. phylogenetic diagram used by cladists
7. the scientific system of naming organisms
9. domain that contains all organisms that have cells with a nucleus (eukaryotes)
10. structures that taxonomists use to group organisms such as having the same bones of the forearm in humans and the front leg of a dog
11. dead language used for scientific naming
13. a single kind of organism
15. kingdom in which plants are found
16. analyzing these pictures of chromosomes helps scientists group similar organisms
21. similarities in the development of this early stage of life such as the presence of an amniotic sac show organisms are related
22. evidence left millions of years ago by dead organisms that are used to help determine ancestral relationships
23. make up different phyla
24. scientific name for humans
25. character that evolved within a certain group such as feathers in birds
27. variations of a species that live in different geographic areas
30. domain containing most modern prokaryotes
32. kingdom containing mostly unicellular prokaryotic organisms such as the ameba and paramecium
33. any group or level used for classification
35. the variety of organisms at all levels from populations to ecosystems
38. two parts to the scientific name of an organism
39. grouped organisms into seven levels based on their structure and function

Down

1. the way the genus name must be written
2. used by modern taxonomists to determine evolutionary or ancestral relationships among taxa
3. cladistics that groups organisms by such shared characteristics as their amino acids
4. not good names to use when trying to identify organisms
5. newest taxonomic category added
6. group that includes an ancestor plus all its descendants
8. subgroup of orders
12. first person to group organisms (either plants or animals)
14. structures such as scales in pangolins and snakes that show they are not closely related
15. diagram similar to a family tree showing who is related to whom
17. kingdom in which humans are found
18. the number of domains that exist
19. subgroup of families
20. kingdom containing mushrooms and yeast
26. domain containing the ancient bacteria that live in harsh environments
28. plural for phylum
29. a diagram using shared and derived characteristics to group organisms
31. science of describing, naming, and classifying organisms
34. classifying organisms in terms of their natural relationships
36. subgroup of class
37. character in which all members of the group have in common with each other