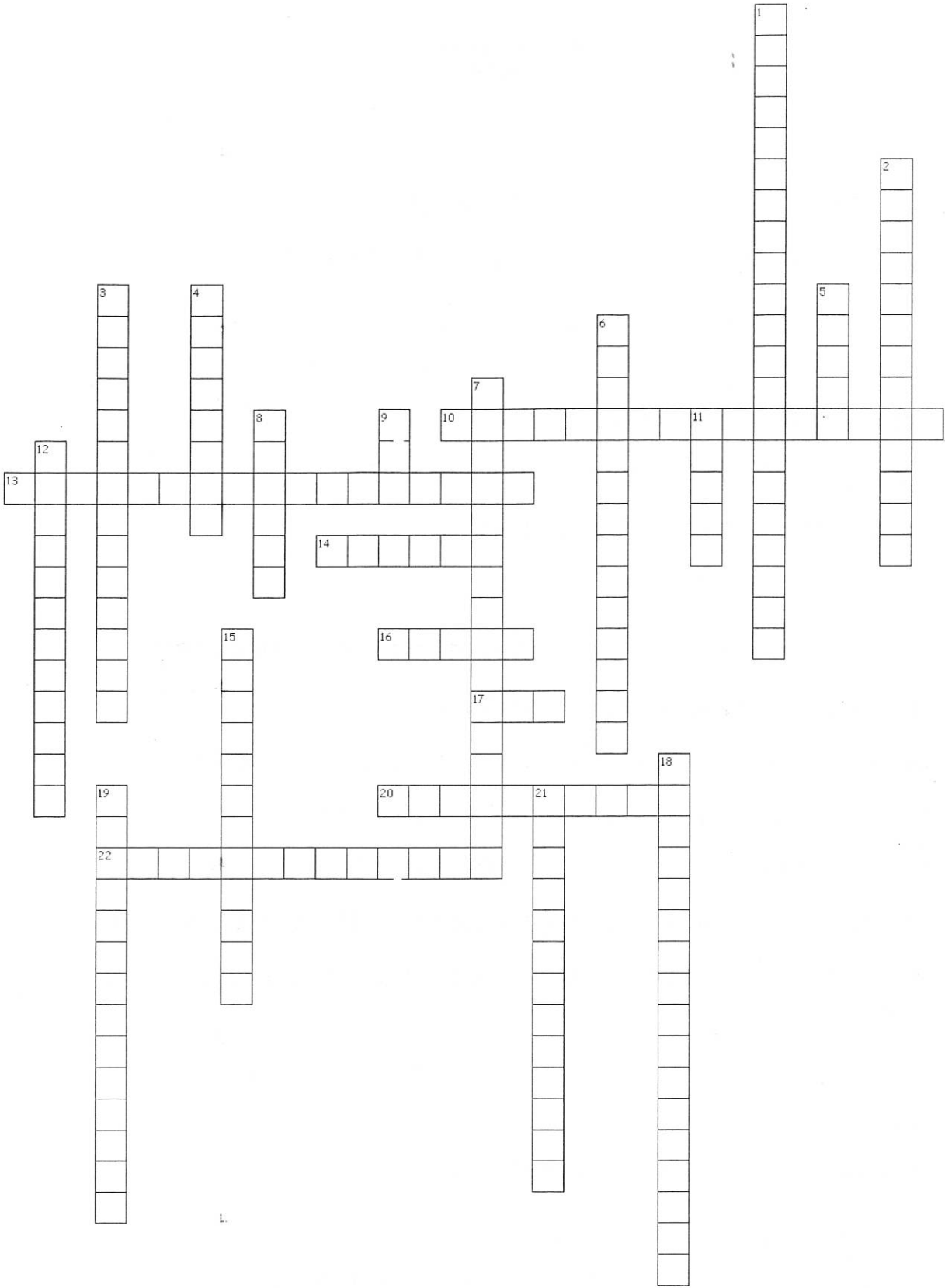


Rock and Fossil Record



Clues

Across

10. radioactive elements break down into stable ones
13. using parent and daughter isotopes to figure age of object
14. remains of organisms preserved in rock
16. smallest division of time period
17. largest, broadest division of time
20. death of every member of a species
22. states younger rocks lie above older rocks

Down

1. States that faults and intrusions are younger than the rock they affect.
2. States materials are originally laid down horizontally
3. an arrangement of rock layers in which the oldest rocks at bottom
4. same element, same # of protons, different # of neutrons
5. type of fossil that preserves evidence of animal activity
6. determining whether event is older or younger than other objects or events
7. State there is a reliable and determinable order in which fossils occur in sedimentary rock
8. divides eras
9. divides eons
11. fossil that is used to establish the age of rock layers
12. the study of past life
15. a surface that represents a missing part of geologic column
18. geologic processes shape earth over very long time
19. Method of dating to figure exact age of object
21. States geologic change occurs suddenly