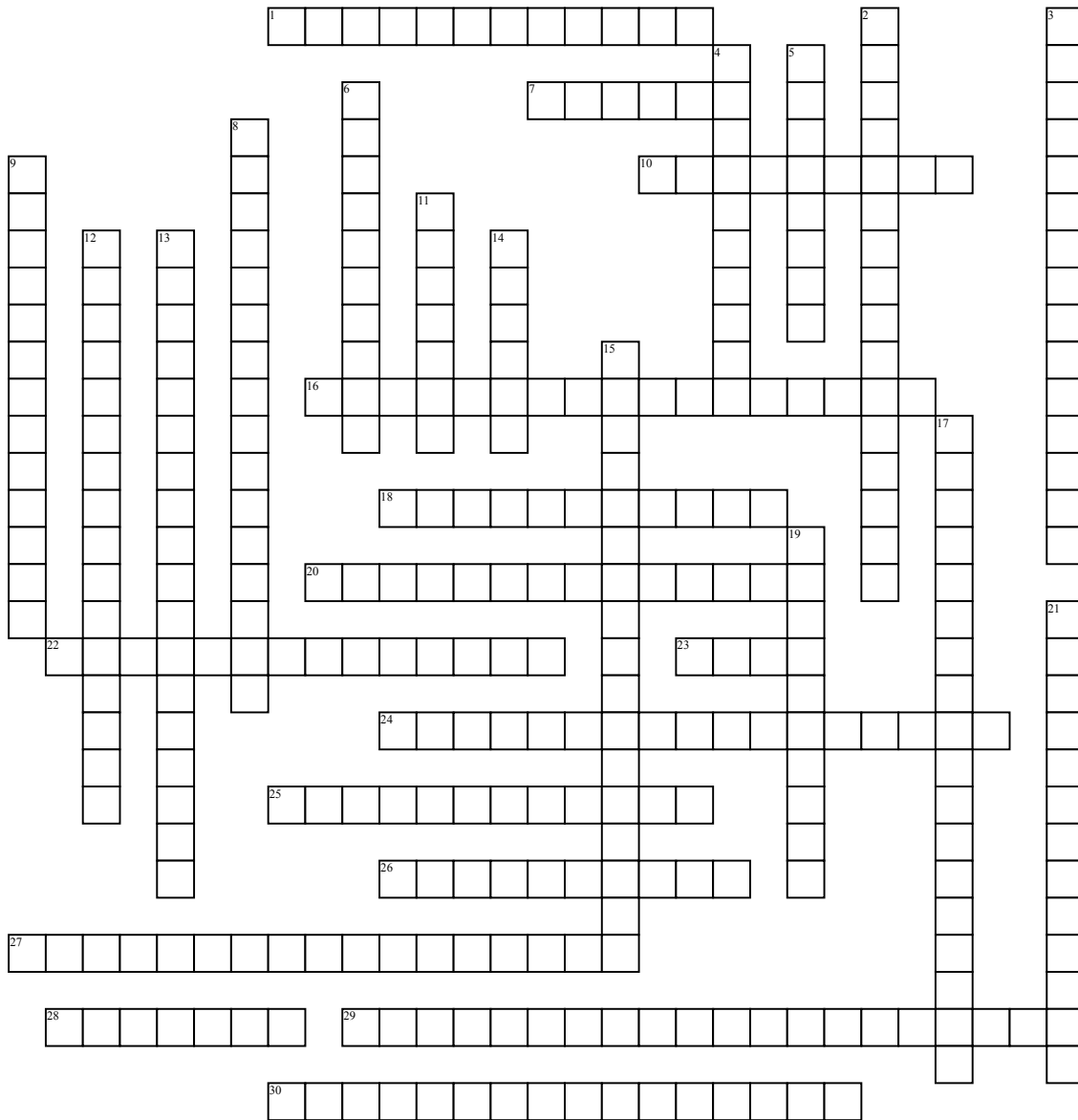


# Earth Science Concepts



## Across

1. an elastic wave in the earth produced by an earthquake or other means. 3 types S, P, Surface
7. the process of plate tectonics separated each of the component continents into their current configuration.
10. A fold of rock layers that slope downward on both sides of a common crest.
16. a change in the Earth's magnetic field resulting in the magnetic north being aligned with the geographic south, and the magnetic south being aligned with the geographic north.
18. a region in a longitudinal wave where the particles are closest together.
20. the biggest crash scene on earth
22. a theory explaining the structure of the earth's crust
23. a gap or space made by cleaving or splitting
24. the formation of new areas of oceanic crust.
25. a line on a map joining points of equal height above or below sea level.

26. a detailed description or representation on a map of the natural and artificial features of an area.

27. A tectonic boundary where two plates are moving away from each other.
28. a mountain or hill, pours lava.
29. any of the various weathering processes that cause physical disintegration of exposed rock without any change in the chemical composition of the rock
30. the magnetic equivalent of electric charge

## Down

2. gradual movement of the continents across the earth's surface through geological time.
3. moving away from each other and new crust is forming from magma that rises to the Earth's surface between the two plates.
4. the shaking of the surface of the Earth, resulting from the sudden release of energy in the Earth's lithosphere that creates seismic waves.
5. fold of rock layers that slope upward.
6. a map marked with contour lines.

8. crust, mantle, outer core, inner core

9. a basic law of geochronology, stating that in any undisturbed sequence of rocks deposited in layers.
11. A bend in a layer of rock or in another planar feature such as foliation or the cleavage of a mineral.
12. geological processes, such as tectonic plate movement and volcanic activity
13. the erosion or disintegration of rocks, building materials, caused by chemical reactions
14. associated with, or form, the boundaries between Earth's tectonic plates.
15. places where plates slide sideways past each other.
17. A tectonic boundary where two plates are moving toward each other.
19. the physical disintegration and chemical decomposition of earth materials at or near the earth's surface.
21. a long, seismically active submarine ridge system situated in the middle of an ocean basin.