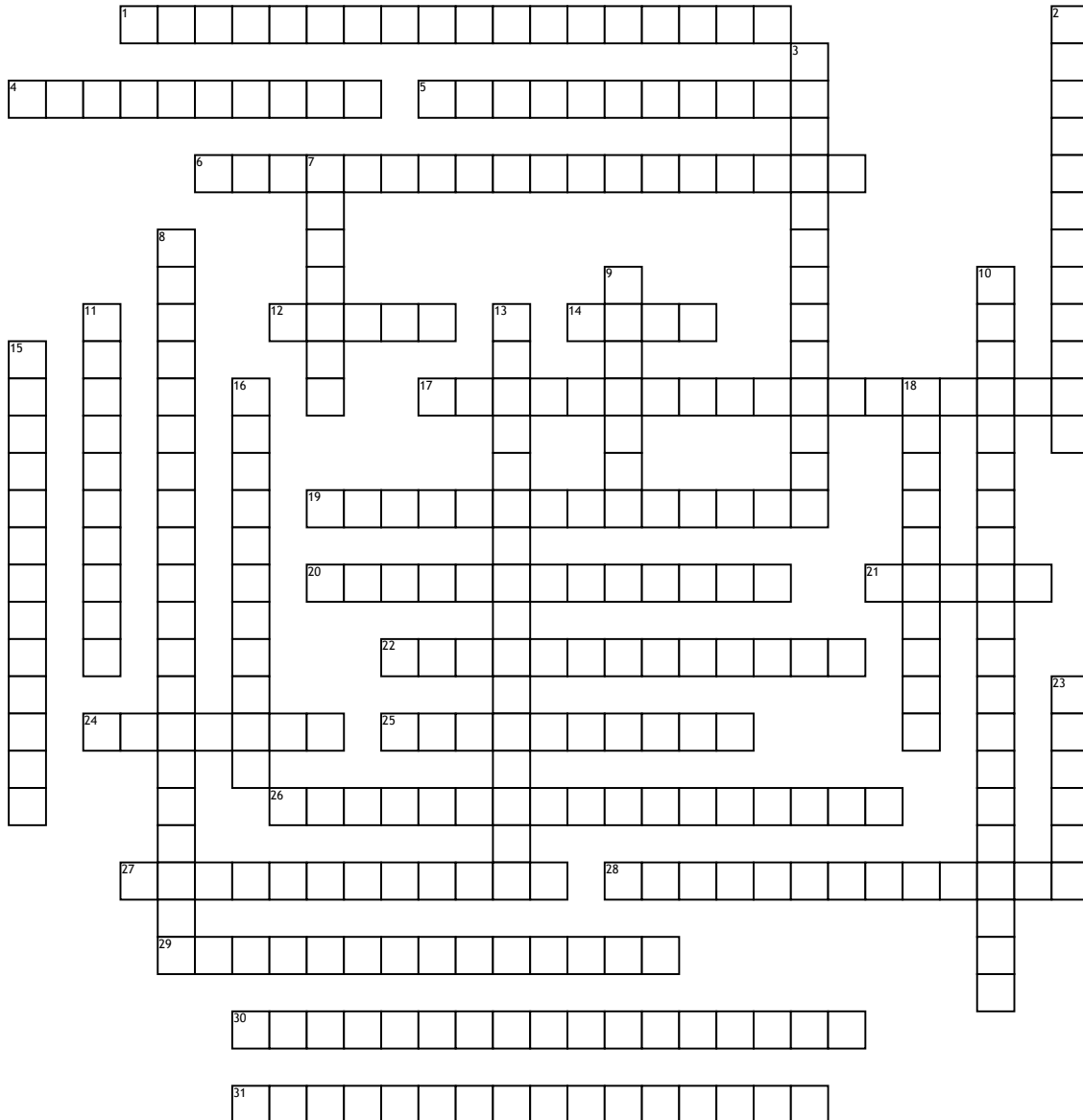


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# plate tectonic



## Across

1. the boundary between two tectonic plates that are moving together
4. a sudden violent shaking of the ground, typically causing great destruction, as a result of movements within the earth's crust
5. a deep ditch under the ocean along a tectonic plate boundary
6. underwater cliffs, between beaches and the ocean
12. a fracture in a rock where the movement has occurred
14. the centre of the earth
17. a current or flow of air or liquid that results from the transfer of thermal energy through convection
19. an active volcano that is not erupting, but supposed to erupt again.
20. a massive, irregularly shaped slab of solid rock, generally composed of both continental and oceanic lithosphere.
21. semiliquid rock found beneath the earth's surface
22. a volcano built up of alternate layers of lava and ash.

24. a small area with a relatively high temperature in comparison to its surroundings
25. the movement of one tectonic plate under another tectonic plate
26. the boundary between two tectonic plates that are moving apart
27. an oceanic tectonic plate that lies beneath the Pacific Ocean
28. a series of underwater mountains that form as a result of tectonic plates moving apart and allowing magma to rise to the surface
29. a volcano that has not had an eruption for at least 10,000 years and is not expected to erupt again
30. a process that occurs at mid-ocean ridges, where new oceanic crust is formed through volcanic activity and then gradually moves away from the ridge.
31. the relatively thick part of the earth's crust which forms the large landmasses

## Down

2. a relatively thin part of the earth's crust that underlies the ocean basins.
3. a broad domed volcano with gently sloping sides, characteristic of the eruption of fluid, basaltic lava

7. a series of large waves that result from an underwater earthquake

8. The term \_\_\_\_\_ refers to a variety of earthquake that occurs within the interior of a tectonic plate
9. a mountain or hill, typically conical, having a crater or vent through which lava, rock fragments, hot vapor, and gas are or have been erupted from the earth's crust.
10. places where plates slide sideways past each other
11. a steep conical hill of loose pyroclastic fragments, such as volcanic clinkers, volcanic ash, or cinder that has been built around a volcanic vent.
13. the gradual movement of the continents across the earth's surface through geological time.
15. a volcano that has had at least one eruption during the past 10,000 years.
16. an instrument that measures and records details of earthquakes, such as force and duration.
18. a deep valley that forms as a result of tectonic plates moving apart on land
23. part of the earth between the core and the crust