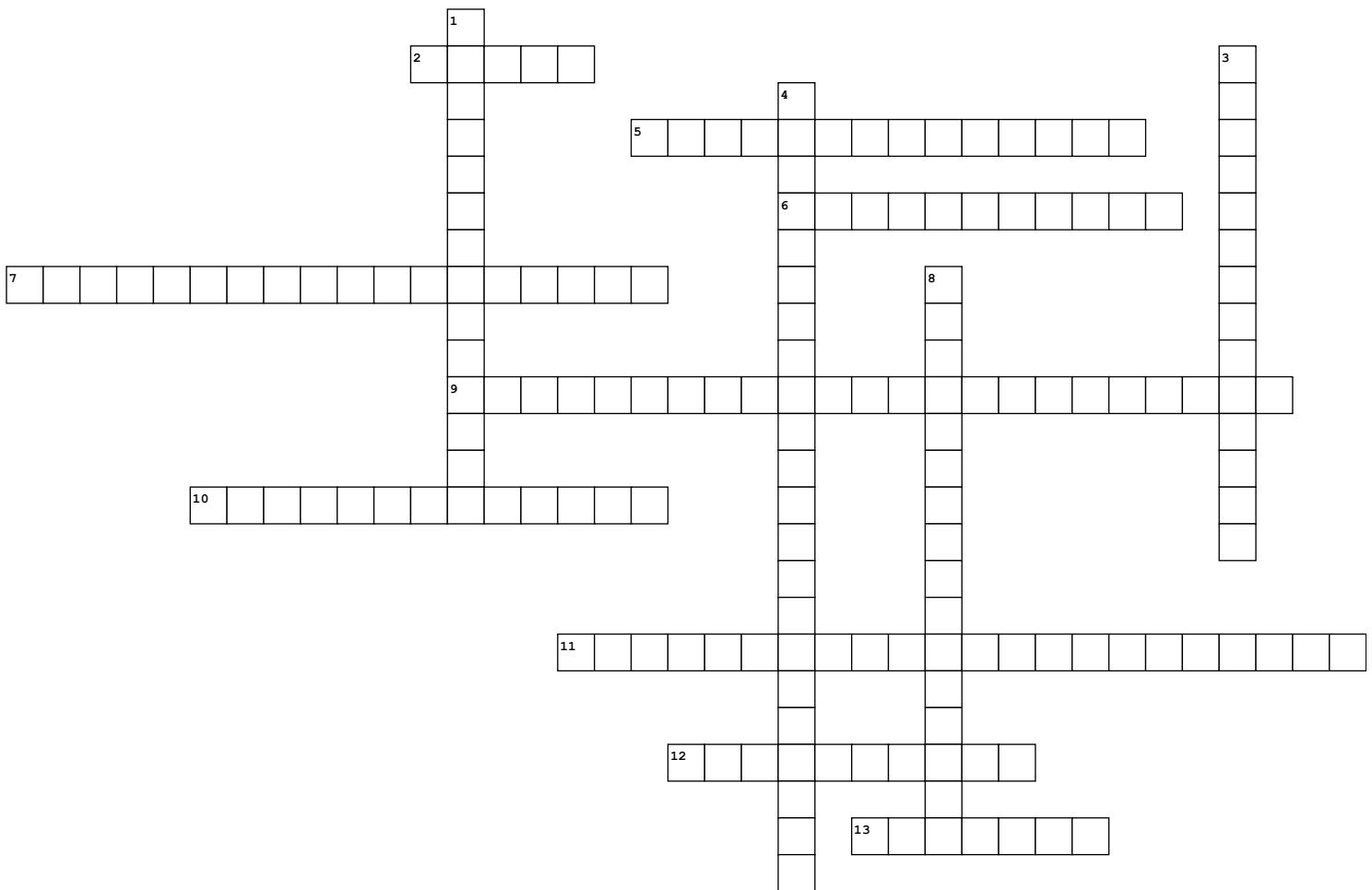


Plate Tectonics



Across

2. a fracture along which there has been movement of rock on one or both sides
5. a line of volcanoes sitting on a continental plate and aligned above a subducting oceanic plate near a deep sea trench
6. a device that uses sound waves to measure the depth to the seafloor
7. geologic activity such as volcanic eruptions and earthquakes that takes place away from plate boundaries
9. a location where two lithospheric plates come together
10. very flat areas that make up most of the ocean floor(7,6)
11. the type of plate boundary where two plates slide past one another

Down

1. a map of the seafloor created from the measurement of water depths
3. the location on the seafloor where magma upwells and new seafloor forms. Mid-ocean ridges are the dominant feature of divergent plate boundaries found in the oceans.
4. a location where two lithospheric plates spread apart
8. the hypothesis developed in the early 20th century that states that the continents move about on the surface

12. zone the area where two lithospheric plates come together and one sinks beneath the other
13. plume of hot material that rises through the mantle and can cause volcanoes