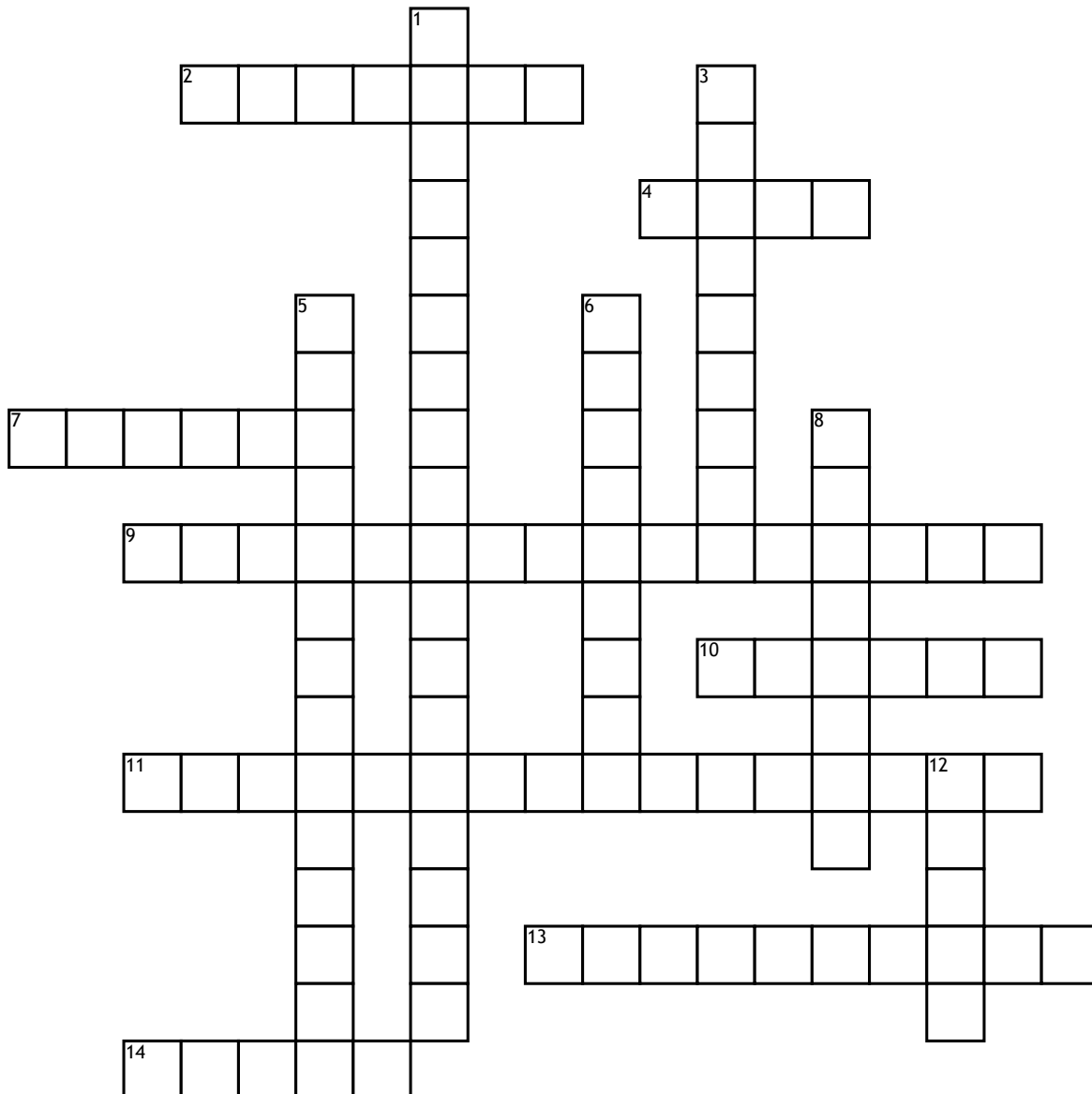


# Plate Tectonics



## Across

2. the study of planet Earth  
 4. the material that forms Earth's hard surface  
 7. the name of a single landmass that broke apart 200 million years ago and gave rise to today's continents  
 9. a well tested concept that explains a wide range of observations  
 10. the trace of an ancient organism that has been preserved in rock

11. the hypothesis that the continents slowly move over Earth's surface

13. a deep valley that forms where two plates move apart  
 14. the layer of rock that forms Earth's outer surface

## Down

1. a plate boundary where two plates move toward each other  
 3. a scientist who studies the forces that make and shape planet Earth

5. the theory that pieces of Earth's lithosphere are in constant motion, driven by convection currents in the mantle

6. a great landmass surrounded by oceans

8. the amount of force pushing on a surface or area  
 12. a break in Earth's crust where slabs of rock slip past each other