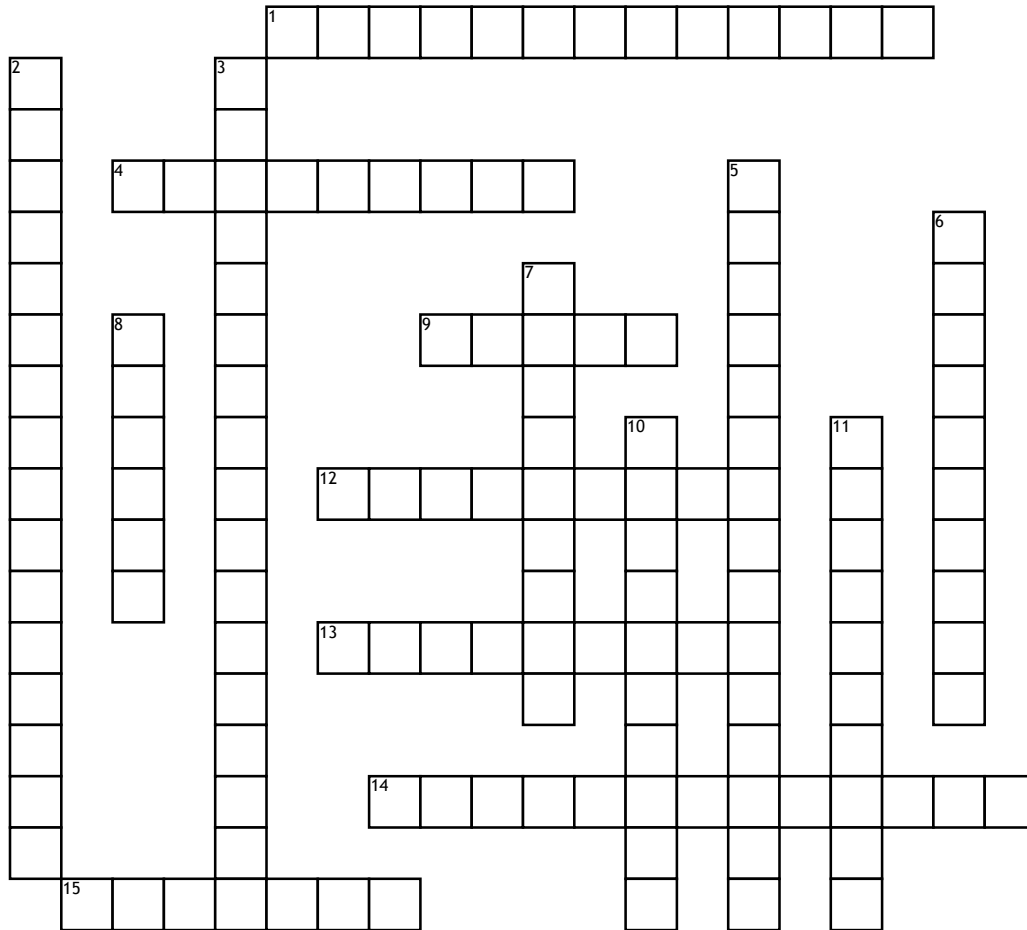


Plate Tectonics



Across

1. The soft outermost layer of the mantle (plates slide on top of this layer)
4. Plate boundary where plates slide past each other forming fault lines
9. A layer of rock that forms the outer skin of the Earth (the outermost layer of the Earth)
12. A dense ball of solid metal found at the center of the Earth
13. Plate boundary where plates move apart

14. The longest underwater chain of mountains in the world

15. The supercontinent that Alfred Wegener believed existed.

Down

2. Wegener's theory that the continents slowly move over the Earth's surface.
3. The process that continually adds new material to the ocean floor, discovered by Harry Hess
5. Deep underwater canyons

6. The process in which the ocean floor sinks beneath a deep ocean trench and into the mantle

7. A layer of molten metal that surrounds the inner core

8. A layer of hot rock (the middle and largest layer of the Earth)

10. Plate boundary where plates come together

11. The transfer of heat energy by the movement of heated fluid (this type of current moves the tectonic plates)

Word Bank

mantle

mid-ocean ridge

convergent

Pangaea

transform

seafloor spreading

divergent

asthenosphere

crust

subduction

inner core

convection

deep ocean trench

outer core

continental drift