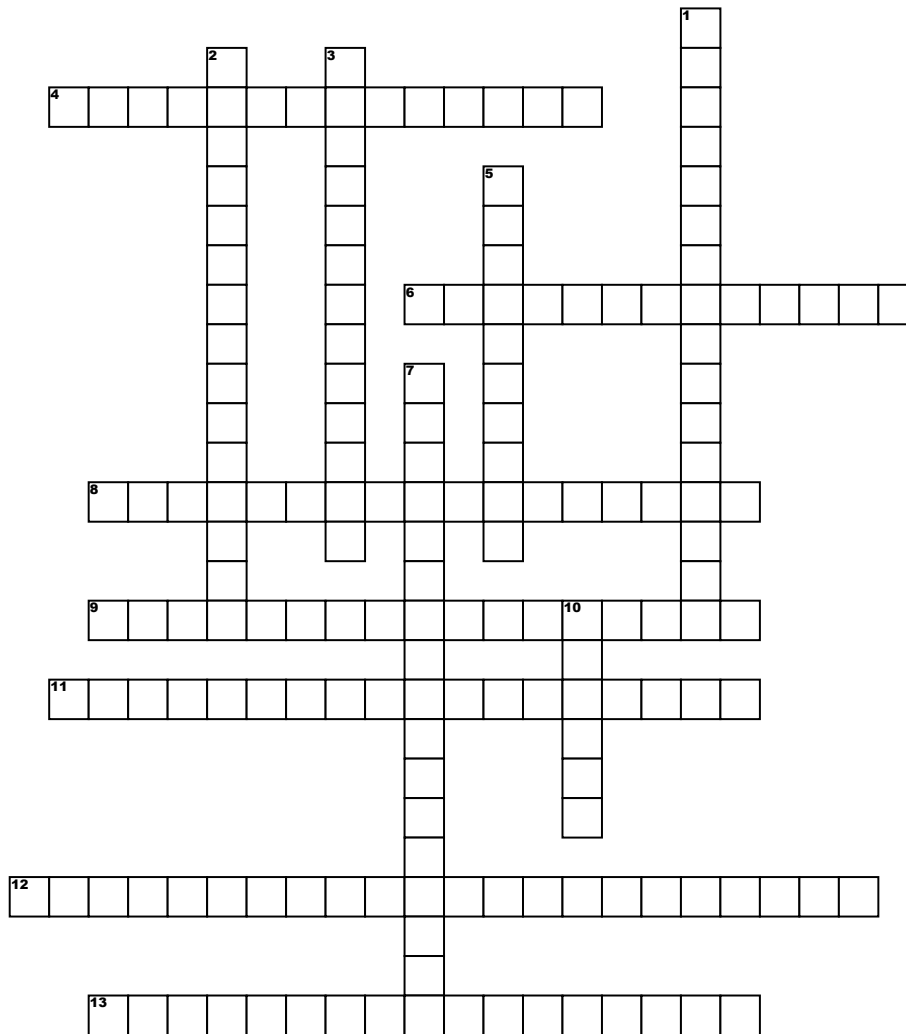


Plate Tectonics



Across

- 4. a theory explaining how the pieces of earth's surface (the plates) move
- 6. a long chain of under sea mountains
- 8. A lithospheric plate boundary where two plates move apart
- 9. Large pieces of Earth's lithosphere that move over the asthenosphere
- 11. A lithospheric plate boundary where two plates come together

12. A lithospheric plate boundary where two plates slide apart

13. A hypothesis that the new sea floor is created at mid-ocean ridges and that, in the process, the continents are pushed apart from each other

Down

- 1. the idea that continents move around on earth's surface
- 2. A valley in the ocean created when one lithospheric plate subducts under another

3. Thin Lithospheric plates that are made of basalt and form the ocean floor; denser than continental plates

5. A process that involves a Lithospheric plate sinking into the mantle

7. Thick Lithospheric plates that are made of andesite and granite and form the continents less dense than oceanic plates

10. an ancient, huge landmass composed of earlier forms of today's continents an ancient super continent

Word Bank

- Pangea
- Oceanic plates
- Divergent boundary
- Transform fault boundary
- Continental plates

- plate tectonics
- Lithospheric plate
- Subduction
- Deep-ocean trench

- Convergent boundary
- mid-ocean-ridge
- continental drift
- Sea-floor spreading