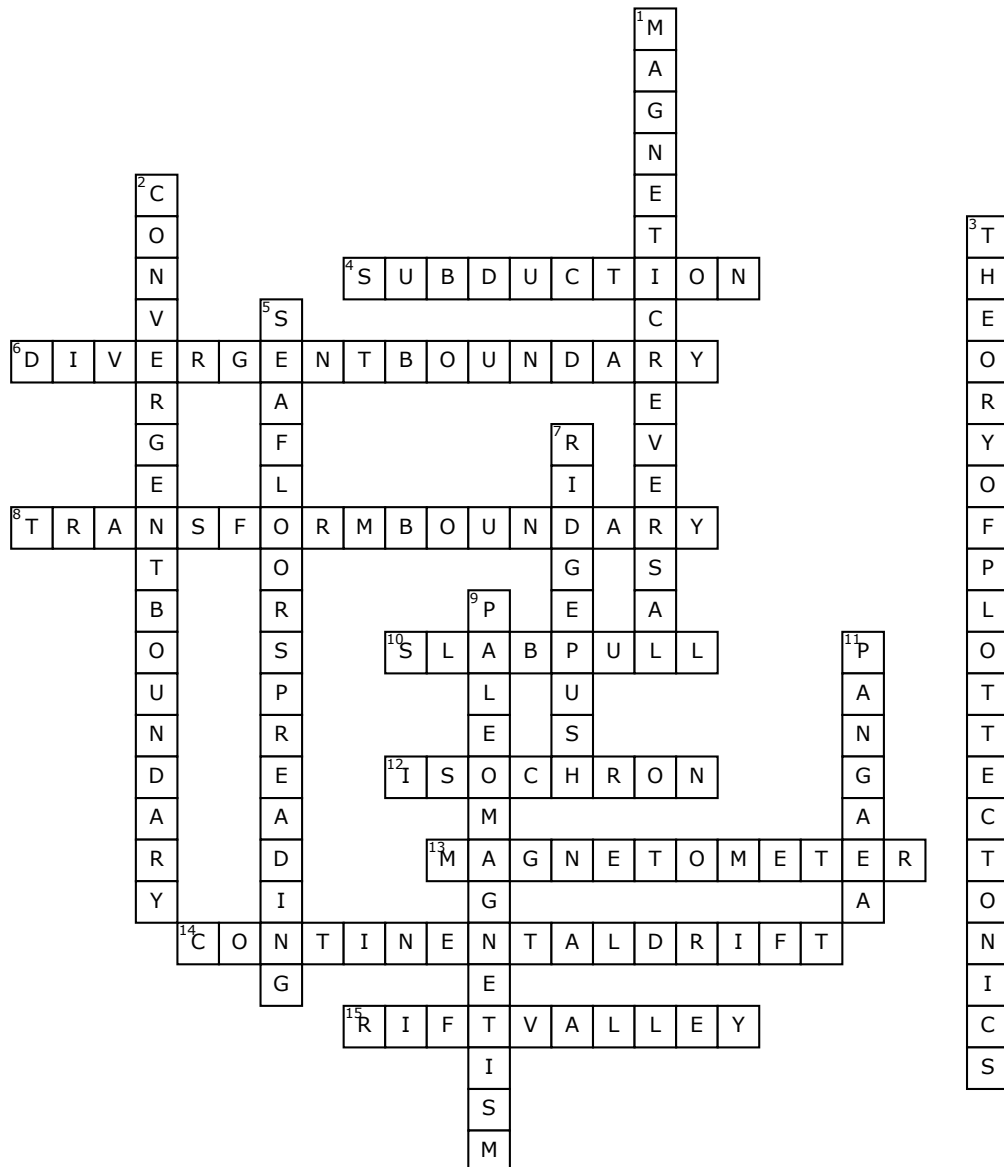


# Chapter 17 Plate Tectonics



## Across

- 4.** One of the two plates is descending beneath the other
- 6.** Places where two tectonic plates are moving apart.
- 8.** A place where two plates slide horizontally past each other.
- 10.** The weight of a subduction plate helps pull the trailing lithosphere into the subduction zone.
- 12.** A line on a map that connects point that have the same age

**13.** A device that can detect small changes in the magnetic field

**14.** Proposed that Earth's continents had once been joined as a single landmass.

**15.** When continental crust begins to separate, the stretched crust forms a long, narrow depression.

## Down

**1.** A change in Earth's magnetic field

**2.** Places where two tectonic plates are moving towards each other.

**3.** Which states that Earth's crust and rigid upper mantle are broken into enormous slabs called plates.

**5.** States that new ocean crust is formed at ocean ridges and destroyed at deep sea trenches.

**7.** The weight of the uplifted ridge is thought to push and oceanic plate toward the trench formed in the subduction zone.

**9.** The study of Earth's magnetic field

**11.** A Greek word that means "all the Earth."