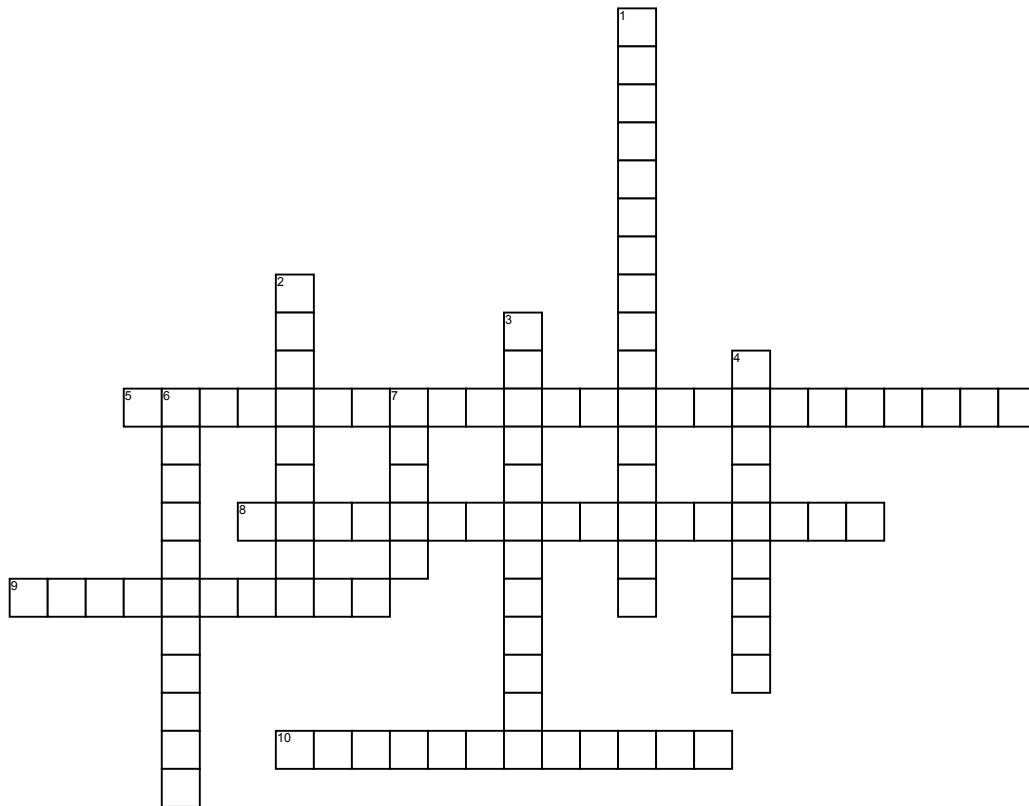


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# Earth Layer's word puzzle - Lizbeth H



## Across

- 5.** -This is a process in which more dense materials of a planet sink to the center, while less dense materials stay on the surface.
- 8.** -Movement of material due to heat and density.
- 9.** -The strong, lower part of the mantle between the asthenosphere and the outer core.
- 10.** The solid, plastic layer of the mantle beneath the lithosphere; made of mantle rock that flows very slowly, which allows tectonic plates to move on top of it.

## Word Bank

Mesosphere  
Outer Core  
Rises  
Lithosphere

Inner Core  
Athenosphere  
Seismic Waves

Convection Current  
Planetary Differentiation  
Radioactive Decay

## Down

- 1.** -The heat source inside Earth that causes the convection currents. (The breakdown of a elements which releases energy in the form of heat).
- 2.** -a layer of molten (liquid) iron and nickel that surrounds the inner core of Earth.
- 3.** -vibrations that travel through Earth carrying the energy released during an earthquake.
- 4.** A dense sphere of solid iron and nickel at the center of Earth
- 6.** -Earth's crust and solid upper mantle -broken into tectonic plates.
- 7.** -Hot, less dense mantle material.