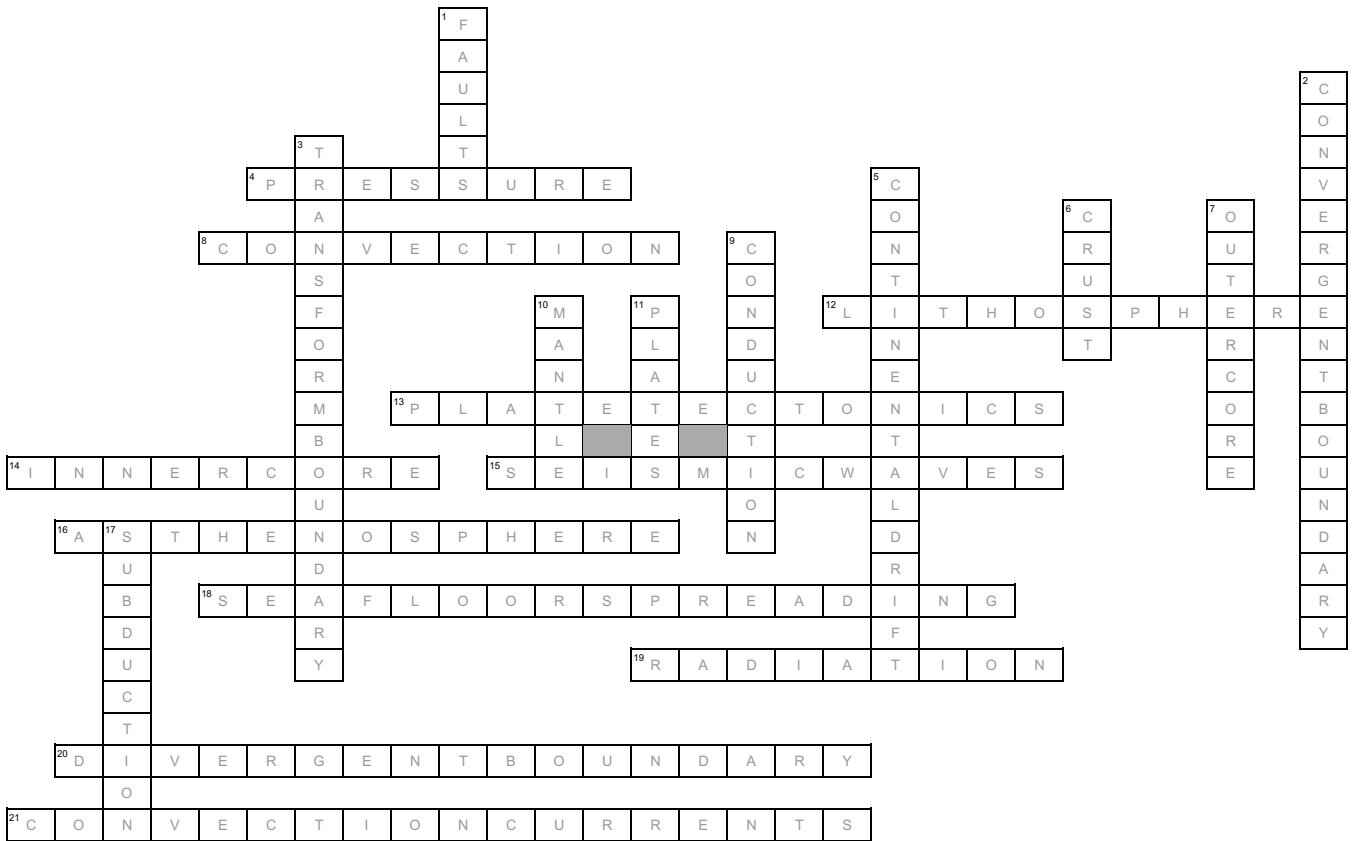


# Chapter 1 Plate Tectonics



## Across

4. results from a force pressing on an area
8. can be transferred by the movement of fluids-liquids or gases
12. The uppermost part of the mantle and the crust together form a rigid layer
13. states that pieces of Earth's lithosphere are in slow, constant motion, driven by convection currents in the mantle
14. is a dense ball of solid metal
15. When earthquakes occur they produce
16. lower part of the mantle [soft layer]
18. continually adds new material to the ocean floor
19. the transfer of energy through space
20. the place where two plates move apart
21. the flow that transfers heat within a fluid

## Down

1. breaks in Earth's crust where rocks have slipped past each other
2. the place where two plates come together
3. a place where two plates slip past each other
5. continents slowly moving across the Earth
6. is the layer of rock that forms Earth's outer skin
7. is a layer of molten metal that surrounds the inner core
9. heat transfer within a material or between materials that are touching
10. a layer of hot rock
11. the lithosphere broken up into separate sections
17. The process by which ocean floor sinks beneath a deep-ocean trench and back into the mantle