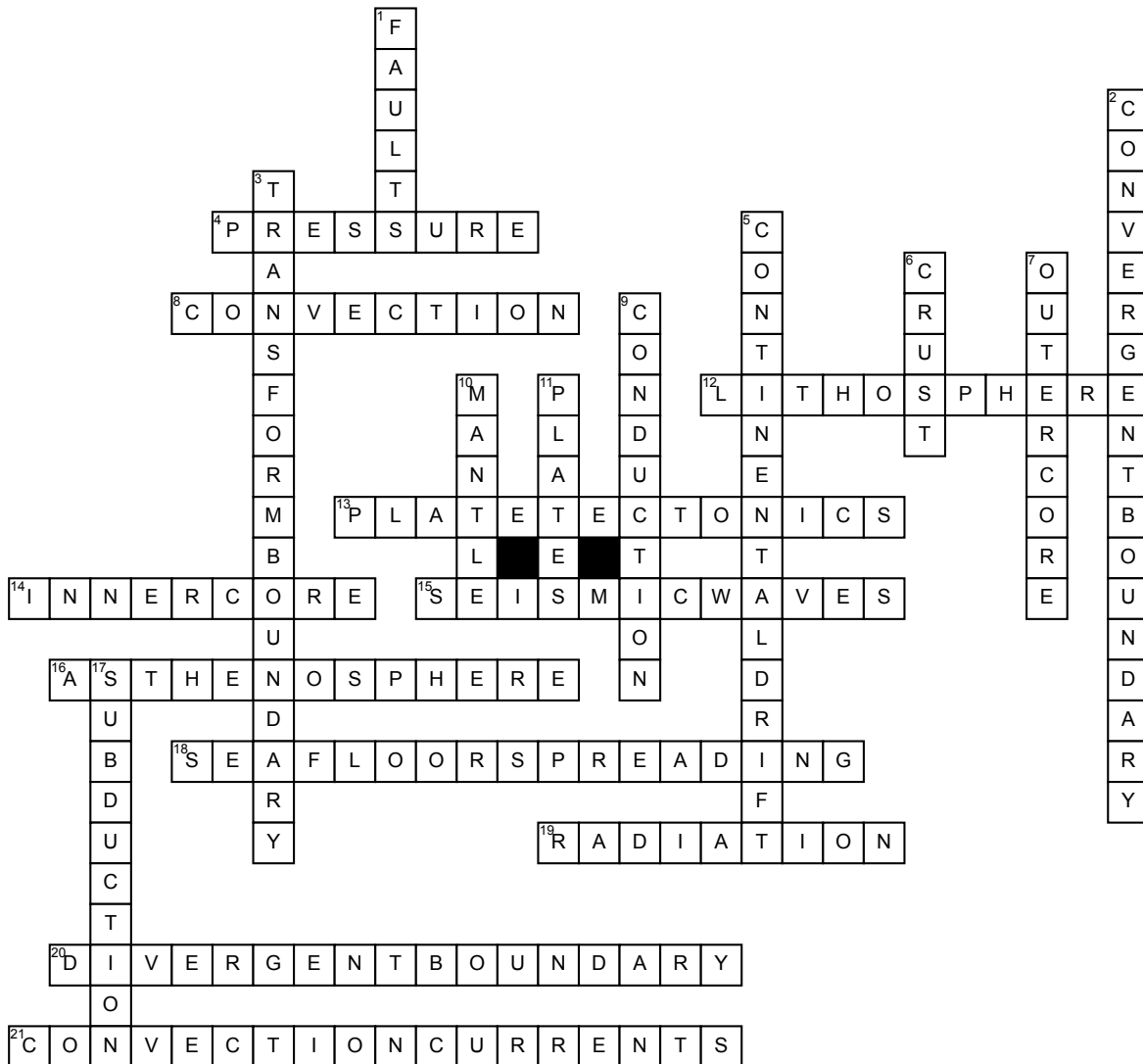


# Chapter 1 Plate Tectonics



## 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