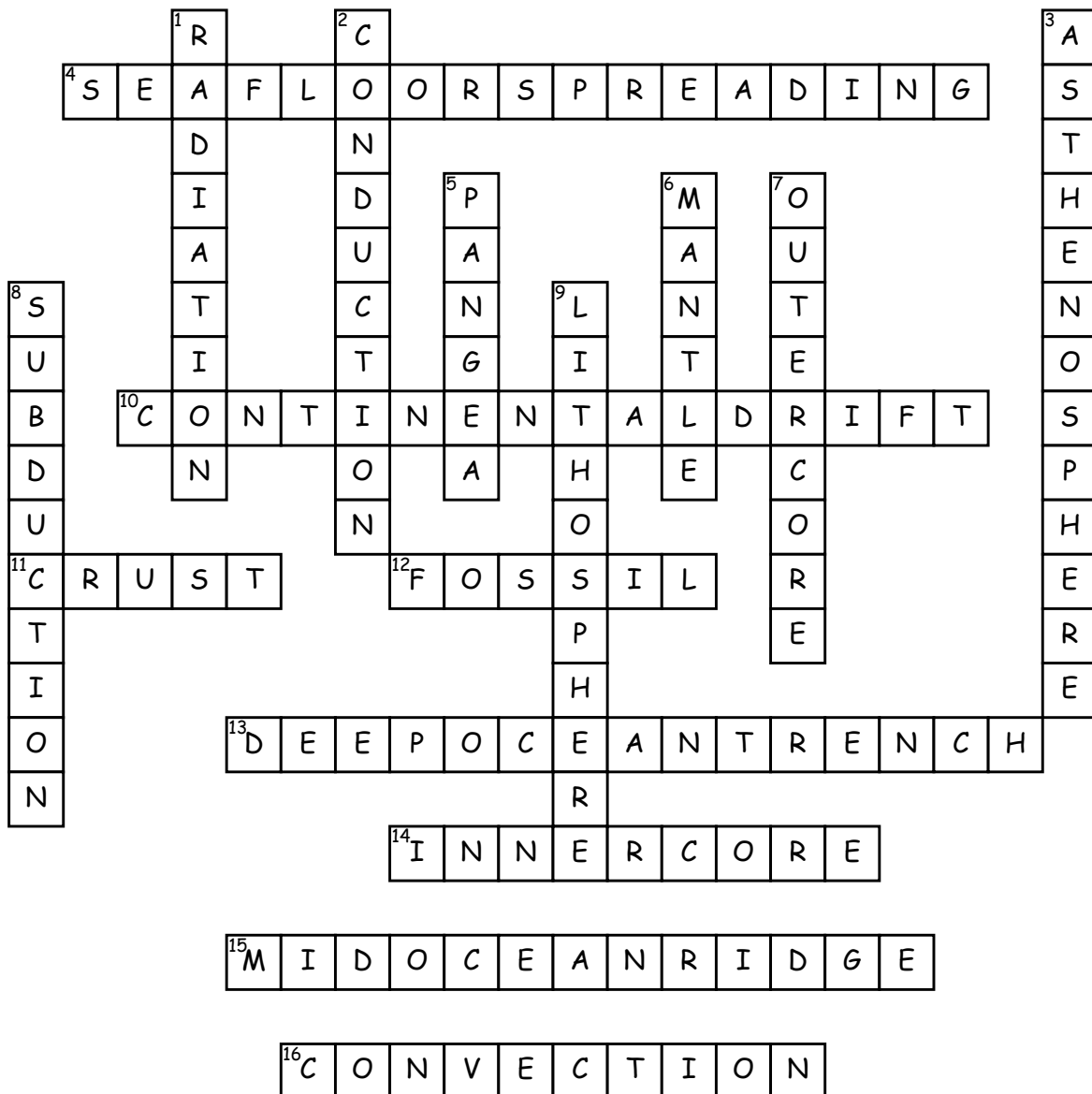


Inside Earth: Plate Tectonics



Across

4. the process that continually adds new material to the ocean floor

10. Wegeners theory that the continents slowly moved over the Earth's surface

11. a layer of rock that forms the outer skin if the Earth

12. any trace of an ancient organism that has been preserved in rock

13. deep underwater canyons

14. a dense ball of solid metal found at the center of the Earth

15. the longest underwater chain of mountains in the world

16. the transfer of heat energy by the movement of heated fluid

Down

1. The transfer of energy through empty space

2. the transfer of heat energy through direct contact with particles of matter

3. the soft bottom layer of the mantle

5. The supercontinent that Alfred Wegener believed to exist

6. a layer of hot rock that contains the lithosphere and the asthenosphere

7. a layer of molten metal that surrounds the inner core

8. the process which the ocean floor sinks beneath a deep ocean trench and into the mantle

9. the uppermost part of the mantle and the crust together