

1. \_\_\_\_\_ idea that Earth's crust "floats" at an elevation that depends on its thickness and density
2. \_\_\_\_\_ stationary mantle plume broken through lithosphere resulting in volcanic eruptions
3. \_\_\_\_\_ upper mantle directly below lithosphere, relatively weak rock that allows for plate motion
4. \_\_\_\_\_ theory that Earth is made of large plates that move relative to each other
5. \_\_\_\_\_ concept that new crust is added continuously to plate edges due to upwelling of magma
6. \_\_\_\_\_ boundary between lithospheric plates in which they move apart from a spreading center
7. \_\_\_\_\_ area where three plates meet
8. \_\_\_\_\_ inclined areas of earthquake activity caused by a subducting plate
9. \_\_\_\_\_ early plate tectonic theory that continents are moved by seafloor spreading
10. \_\_\_\_\_ solid crust and the upper mantle that can move and deform slowly
11. \_\_\_\_\_ periodic alternating or flipping of Earth's magnetic poles
12. \_\_\_\_\_ transfer of heat in a fluid through the rising & sinking of fluid due to density differences
13. \_\_\_\_\_ a boundary where plates slide past each other rather than colliding or diverging
14. \_\_\_\_\_ another term for the mid-ocean ridge where upwelling magma forces plates apart
15. \_\_\_\_\_ central part of earth made of iron & nickel divided into solid inner and liquid outer parts
16. \_\_\_\_\_ raised area accompanying sea floor spreading
17. \_\_\_\_\_ boundary between crust and mantle, short for Mohorovicic discontinuity
18. \_\_\_\_\_ study of intensity and direction of Earth's ancient magnetic field
19. \_\_\_\_\_ where two lithospheric plates meet
20. \_\_\_\_\_ long narrow depression on ocean floor caused by subduction
21. \_\_\_\_\_ plate collision in which one plate goes beneath another resulting in re-melting & cycling
22. \_\_\_\_\_ study of earthquake waves and what they can tell us about Earth's internal structure

asthenosphere  
divergent boundary  
mantle  
seafloor spreading  
transform boundary

continental drift  
hot spot  
mid-ocean ridge  
seismology  
triple junction

convection  
isostasy  
Moho  
spreading center  
Wadati-Benioff zone

convergent boundary  
lithosphere  
paleomagnetism  
subduction zone

core  
magnetic reversal  
plate tectonics  
submarine trench

*Warning - one vocabulary term is missing from the definitions.*