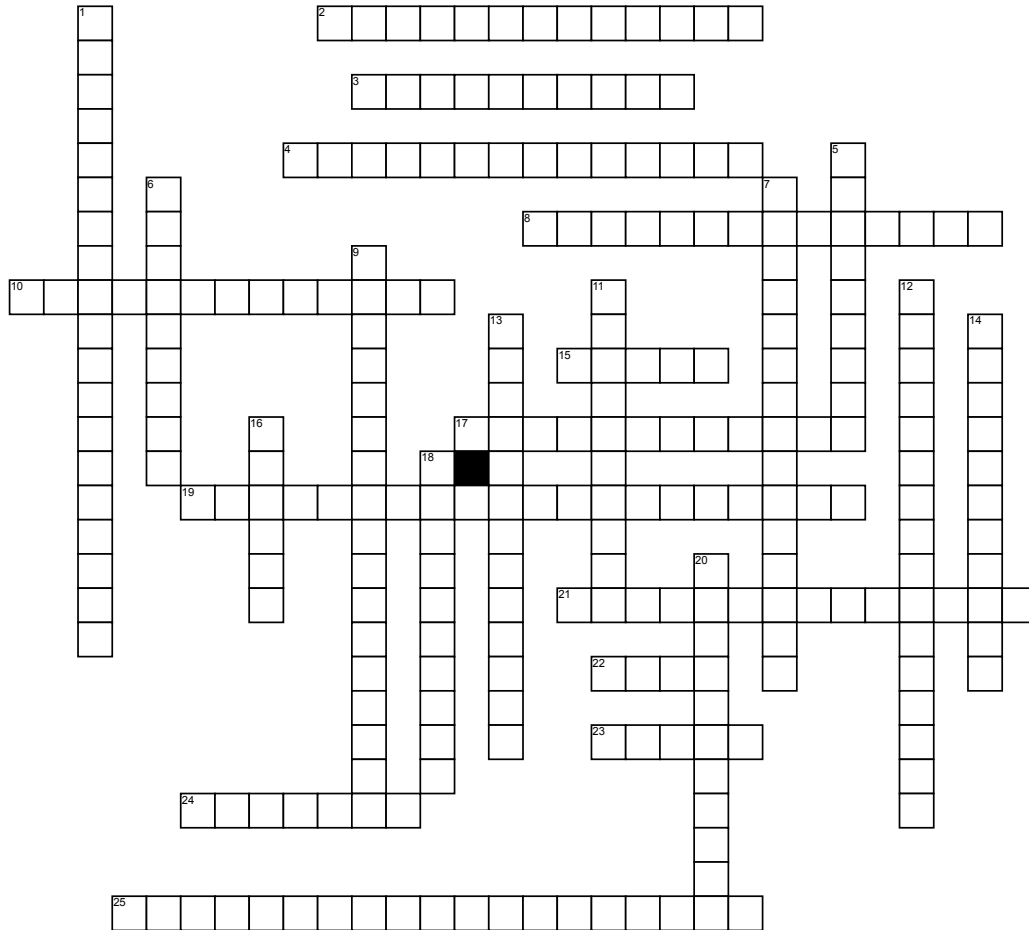


Name: _____

Date: _____

plate tectonic



Across

2. a global system of underwater mountains created by seafloor spreading
 3. the sinking of oceanic lithosphere into the mantle
 4. the theory that earths lithosphere is divided into large plates that moves slowly around the globe
 8. the region where an oceanic plate sinks into the asthenosphere at a convergent plate boundary
 10. one of earths structural layers, a layer of weak, warm rock that flows slowly over geologic time.
 15. earths surfaces layer, consisting of oceanic and continental crust
 17. the study of the history, structure, and natural process of plant earth
 19. places where tectonic comes together
 21. separate pieces of lithosphere that moves on top of the asthenosphere

22. earths innermost layer, which is mostly iron and includes the inner core and outer core
 23. molten rock in earths interior
 24. the earth science that is concerned with the composition and structure of earth
 25. places where tectonic plates slide along beside one another as they move

Down

1. places where tectonic plates pull apart
 5. one of earths structural, a solid sphere of hot metal, mostly iron, at the center of earth
 6. one of earth structural layers, a shell of hot, liquid metal beneath the mantle and above the inner core
 7. the process by which earth formed layers according to destiny
 9. the process by which new lithosphere is created at midocean ridges as older lithosphere moves away

11. the shaking of the ground that results when under earths surface moves or breaks
 12. the hypothesis that the worlds continents move slowly over earths surface
 13. long, deep steep troughs in the seafloor where an oceanic plate sinks beneath an overlying plate.
 14. earths outermost structural layers, consisting of cool, rigid rock
 16. the thick layer of dense, hot rock between earths crust and core
 18. the study of seismic waves, waves that travel through earth as a result of an earthquake or other disturbance
 20. one of earth structural layers, the lowest portion of the mantel, a zone of strong, rigid rock

Word Bank

mantle	continental drift	divergent boundaries	subduction zone	subduction
earthquake	plate tectonics	geology	convergent boundaries	outer core
lower mantle	midocean ridge	magma	ocean trenches	crust
earth science	seafloor spreading	transform boundaries	lithosphere	seismology
core	tectonic plates	inner core	differentiation	Asthenosphere