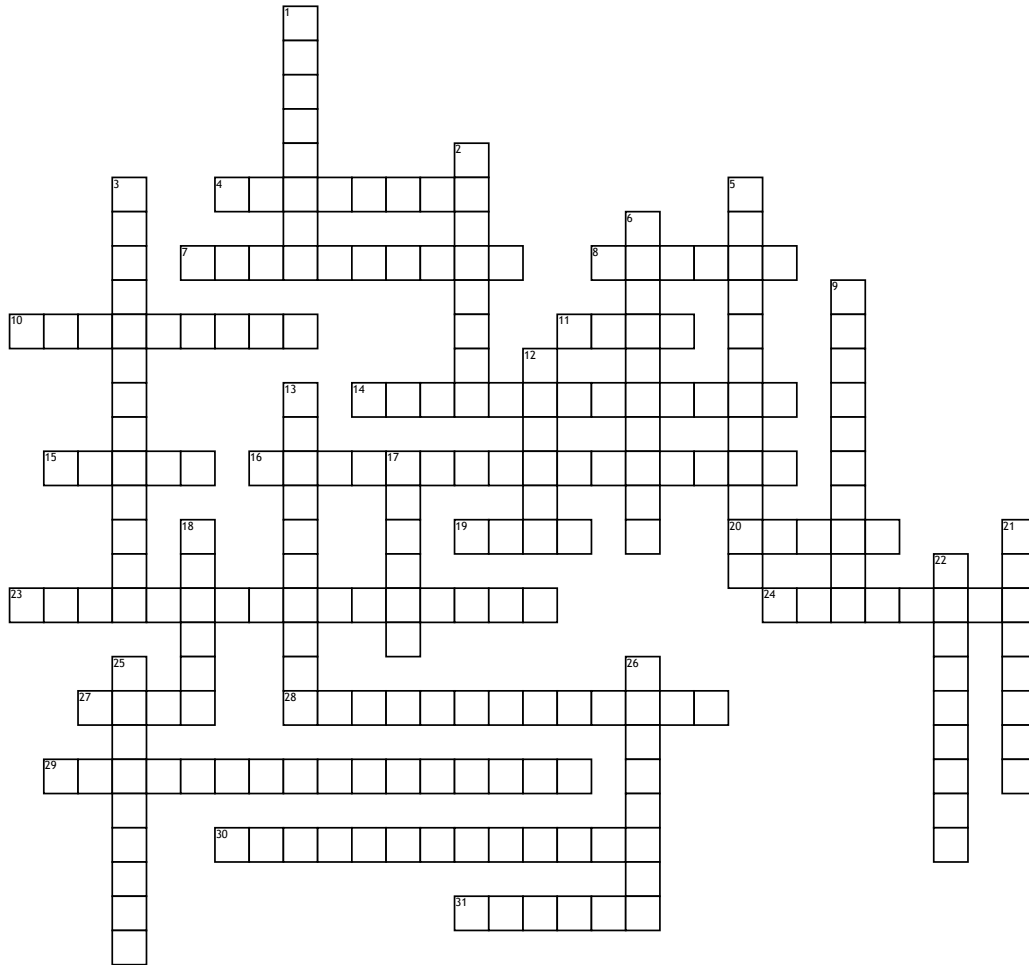


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# EARTH SCIENCE



**Across**

- 4. Every four years a day is added to the calendar to account for the extra 1/4 day of earth revolution.
- 7. - 2 plates move away from each other - hot mantle rock rises - creates new sea floor - creates new oceanic crust (2-10 cm per yr) -Mid-Atlantic
- 8. rigid blocks of crust and upper mantle - move along the hot upper mantle - make up the lithosphere
- 10. Never was alive (not plant or animal)
- 11. What is the imaginary vertical line around which the Earth Spins?
- 14. Made of one element (a single Capital letter)
- 15. the physical shade of a mineral; least reliable way to identify a mineral
- 16. A mineral has these, sometimes can be seen other times microscopic. Will always break into this shape
- 19. The hot and dense center of the Earth
- 20. At natural state (room temp)
- 23. part of outermost compositional layer of earth. Usually made of granite (mostly quartz and feldspar minerals)
- 24. Physical Features on Earth's surface

- 27. Molten (melted) rock on Earth's surface
- 28. a block of lithosphere that consists of the crust and the rigid, outermost part of the mantle
- 29. The hypothesis that states that the continents once formed a single landmass, broke up, and drifted to their present locations
- 30. An underwater mountain chain where new ocean floor is formed
- 31. Places where tectonic plates meet; Tectonic plate boundaries

**Down**

- 1. the splitting of a mineral along smooth, flat surfaces
- 2. the manner in which a mineral breaks along either curved or irregular surfaces
- 3. Light that hits the earth at steep angles < 90. Spreads the energy of the light across more area.
- 5. the portion of Earth's crust that is usually below the oceans and not associated with continental areas, thinner and higher in density
- 6. What is the path the Earth takes around the sun called?
- 9. Motion of one object around another object

- 12. the way a mineral reflects light
- 13. What causes seasons
- 17. - forms b/c of subduction - may cause a volcano
- 18. super continent consisting of all known continents fitting together at one point in the Earth's history
- 21. Made of more than one type of element
- 22. is one of several very large landmasses on Earth
- 25. the great size or extent of something
- 26. a measure of the ability of a mineral to resist scratching

**Word Bank**

Color	Continental Crust	PLATES	Core	Oceanic Crust	Pure Substance
Luster	Crystal Structure	Solid	Tectonic Plate	Faults	Mid Ocean Ridge
CONTINENT	trench	MAGNITUDE	Lava	Earthstilt	Landform
Fracture	Revolution	Continental Drift	Inorganic	Indirectlight	Cleavage
Hardness	Axis	Leap year	Pangea	elliptical	Compound
Divergence					