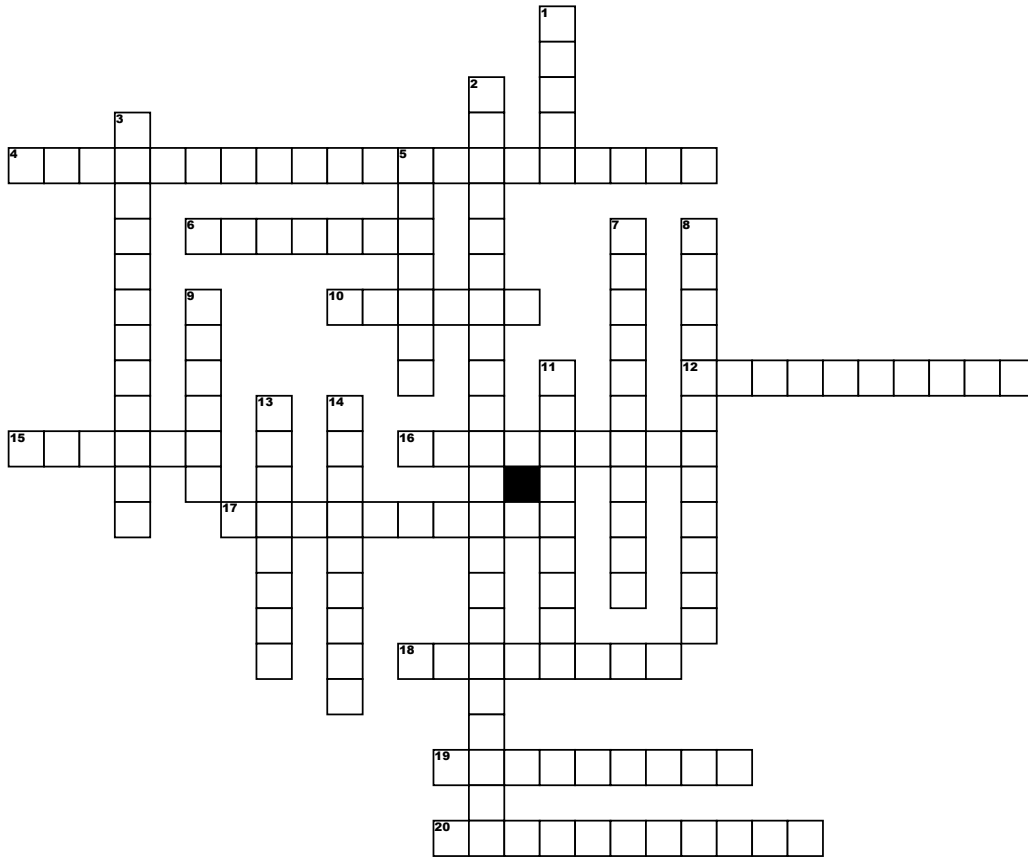


# EARTHQUAKES



**Across**

- 4. a scale that rates earthquakes by estimating the total energy released by an earthquake
- 6. a large area of flat land elevated high above level
- 10. a type of seismic wave that compresses and expands the ground
- 12. small earthquake that occurs after a larger earthquake in the same area
- 15. a type of seismic wave in which the shaking is perpendicular
- 16. the measurement of an earthquakes strength based on the seismic waves and movement along faults

17. the zone of volcanic activity surrounding the Pacific Ocean

18. A kind of stress that pushes a mass of rock in two opposite directions

19. the size or extent of something

20. the record of an earthquakes seismic waves produced by a seismograph

**Down**

1. The point beneath earth's surface where rock first breaks under stress and causes an earthquake

2. a scale that rates the amount of shaking from an earthquake

3. an elastic wave in the earth produced by an earthquake

5. a long high sea wave caused by an earthquake submarine landslide ,or other disturbance

7. The shaking that results from the movement of rock beneath earth's surface.

8. a tip of seismic wave that forms P waves and S waves reach earth's surface

9. a force that acts on rocks to change it's shape or volume

11. the point of an earth's surface directly above an earth's focus

13. the angular distance of a place north to south of the earth's equator

14. the angular distance of a place east or west

**Word Bank**

- |             |                          |             |                        |
|-------------|--------------------------|-------------|------------------------|
| shearing    | seismic waves            | tsunami     | surface waves          |
| seismograph | P waves                  | focus       | moment magnitude scale |
| magnitude   | modified magnitude scale | S waves     | plateau                |
| stress      | epicenter                | earthquakes | longitude              |
| aftershock  | ring of fire             | latitude    | magnitude              |