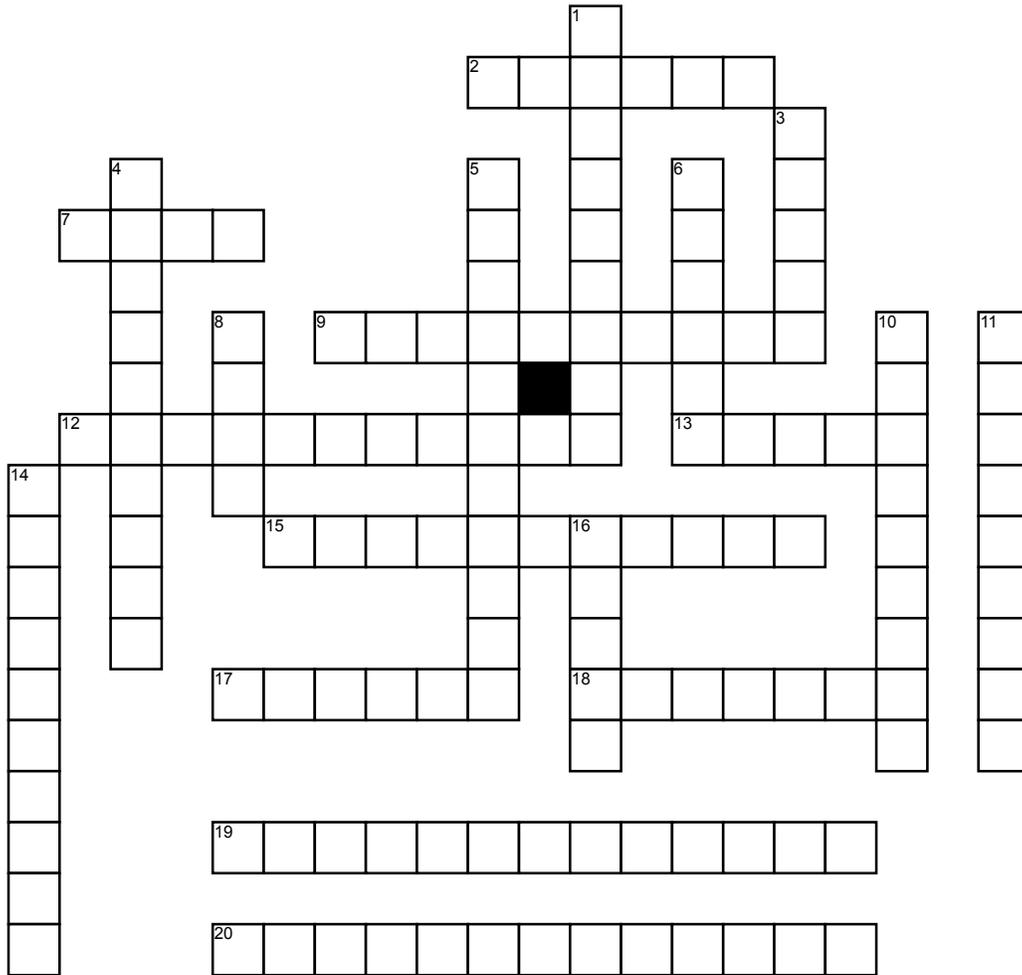


# Seismic waves



**Across**

- 2. The middle layer of the Earth. It makes most of the Earth's volume and mass.
- 7. Surface waves are different from S waves in a sense they are \_\_\_\_\_
- 9. S wave is responsible for the movement which is \_\_\_\_\_
- 12. the topmost, solid part of the Earth that is composed of several plates
- 13. Is the inner core solid, liquid or gas?
- 15. Mechanical vibrations that occur inside the Earth
- 17. What element is the most abundant in the Earth's crust?
- 18. Love (L) Seismic Waves can pass only through \_\_\_\_\_

19. He explained the mantle – core boundary

20. The movement of the lithospheric plates is facilitated by a soft, weak and plastic-like layer. Which of the following layers is described in the statement?

**Down**

- 1. Miners dig into the Earth in search for precious rocks and minerals. In which layer is the deepest explorations made by miners?
- 3. The waves which are responsible for back and forth movement of earth are called \_\_\_\_\_
- 4. the ability of solid to flow

5. He stated that the Earth has a core within a core

6. Secondary (S) Seismic Waves can pass only through \_\_\_\_\_

8. It is boundary between these two layers (crust and mantle)

10. What kind of Seismic waves that can travel through interior part of earth?

11. It is made up of molten material and accounts for the Earth's magnetic field.

14. vibration of the Earth produced by the rapid release of The energy most often because of the slippage along a fault in the Earth's crust

16. The thinnest and the outermost layer of the Earth.

**Word Bank**

- |              |             |               |                |              |
|--------------|-------------|---------------|----------------|--------------|
| side to side | Lithosphere | Oxygen        | Earthquake     | slow         |
| Crust        | solids      | mantle        | Moho           | Seismic wave |
| p wave       | body waves  | Inge Lehmann  | outer core     | surface      |
| solid        | Inner core  | Asthenosphere | Beno Gutenberg | Plasticity   |