



**Jonathan Delph**

Jonathan Delph is a seismologist researching the interior of the Earth to better understand tectonic forces.

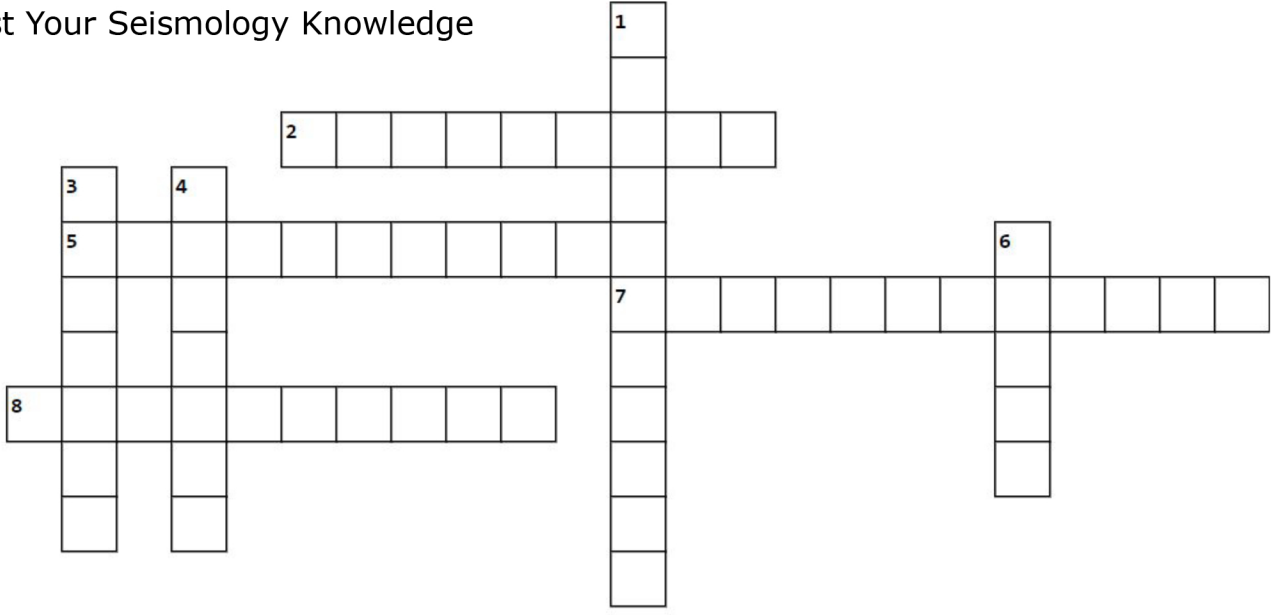
He works on developing new approaches to obtain tomographic models that better image subsurface structure. Jonathan has developed new approaches for the creation of 3D shear-wave velocity models

[What one seismologist does to understand our world](#)

## Seismologist

A seismologist is a scientist who studies earthquakes. They use special tools to record the shaking of the Earth and find out where and how strong an earthquake is. Seismologists help us understand why earthquakes happen and how we can stay safe. They also teach people about earthquake safety and work on ways to warn us before an earthquake happens. They work with other scientists and use computers to make models that show what might happen during an earthquake.

### Test Your Seismology Knowledge



**Across**

- 2. Point on the Earth's surface directly above an earthquake's focus
- 5. Device that measures seismic waves
- 7. Scientist who studies earthquakes
- 8. Sudden shaking of the ground

**Down**

- 1. Smaller earthquakes following a major quake
- 3. Large wave caused by an underwater earthquake
- 4. Scale used to measure earthquake magnitude
- 6. Point inside the Earth where an earthquake starts



*Seismologist, Seismometer, Focus, Epicenter, Richter, Aftershocks, Earthquake, Tsunami*

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