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An Introduction to Seismology, Earthquakes, and Earth Structure , Seth Stein Michael Wyession Blackwell, Malden, Mass., 2003. \$34.95 paper (498 pp.). ISBN 0-86542-078-5 Buy at Amazon Seismology is the study of earthquakes and Earth structure using the waves that accompany quakes and other Earth vibrations.

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Introduction to Seismology and Earthquakes Lesson Objectives:

- 1) Outline and describe the internal structure of Earth.
- 2) Qualitatively describe and define the one-dimensional wave equation and four types of waves.
- 3) Qualitatively illustrate ray path diagrams and identify their influence on seismograms.

6. Seismology and Earthquakes

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An earthquake is a weak to violent shaking of the ground produced by the sudden movement of rock materials below the earth's surface.. The earthquakes originate in tectonic plate

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boundary. The focus is point inside the earth where the earthquake started, sometimes called the hypocenter, and the point on the surface of the earth directly above the focus is called the epicenter.

Introduction to Earthquake - Philippine Institute of ...

“Introduction To Seismology” by Peter Shearer, Cambridge University Press Seismology is the scientific study of the seismic waves generated by earthquakes. Scientific & Practical Objectives of Seismology: To learn about the structure of the earth (direct observation of the deep earth is impossible) and the physics of earthquakes

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