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An Introduction to Seismology, Earthquakes, and Earth Structure gives an excellent overview for students of geophysics and tectonics, and provides a strong foundation for further studies in seismology. Multidisciplinary examples throughout the text - catering to students in varied disciplines (geology, mineralogy, petrology, physics, etc.).

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Seth Stein — 2013-05-30 in Science. An Introduction to Seismology, Earthquakes and Earth Structures is an introduction to seismology and its role in the earth sciences, and is written for advanced undergraduate and beginning graduate students. The fundamentals of seismic wave propagation are developed using a physical approach and then applied to show how refraction, reflection, and teleseismic techniques are used to study the structure and thus the composition and evolution of the earth.

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associated phenomena, or the study of elastic waves propagating in the earth.

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An Introduction to Seismology, Earthquakes, and Earth Structure, Chapter 4: Earthquakes, Wiley-Blackwell Publishing, ISBN: 978-1-4443-1131-0. | Stanford Center for Induced and Triggered Seismicity.

Stein, S. and M. Wyession, (2009). An Introduction to ...

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Seismology is the study of earthquakes and Earth structure using the waves that accompany quakes and other Earth vibrations.

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5 Science Geology Earthquakes Volcanic Greatest ...

Transcribed Image Text from this Question. Lab Exercise VI An introduction to seismology Introduction Seismology is the study of earthquakes. Its root word, seism, originates from Greek and means "earthquake." Earthquakes occur when strain caused by the stress of moving tospheric plates, is released by sudden fault movement within the Earth's lithospheric plates This consequently releases this stress-induced strain energy in the form of shock waves, causing the Earth to vibrate.

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