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CALIFORNIA GEOLOGY

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State of California

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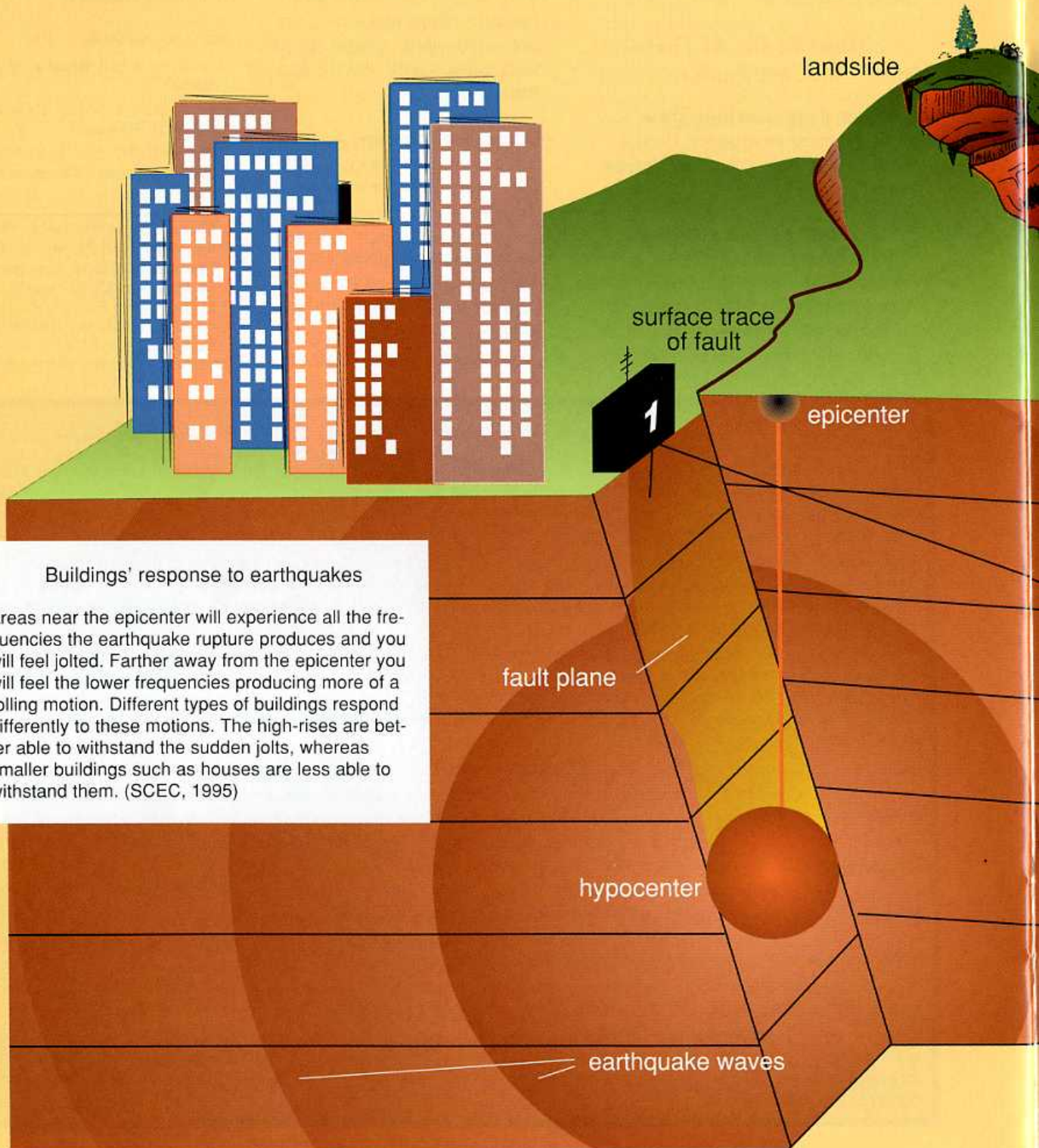


DEPARTMENT OF
CONSERVATION
Division of
Mines and Geology



A SLICE OF EARTH

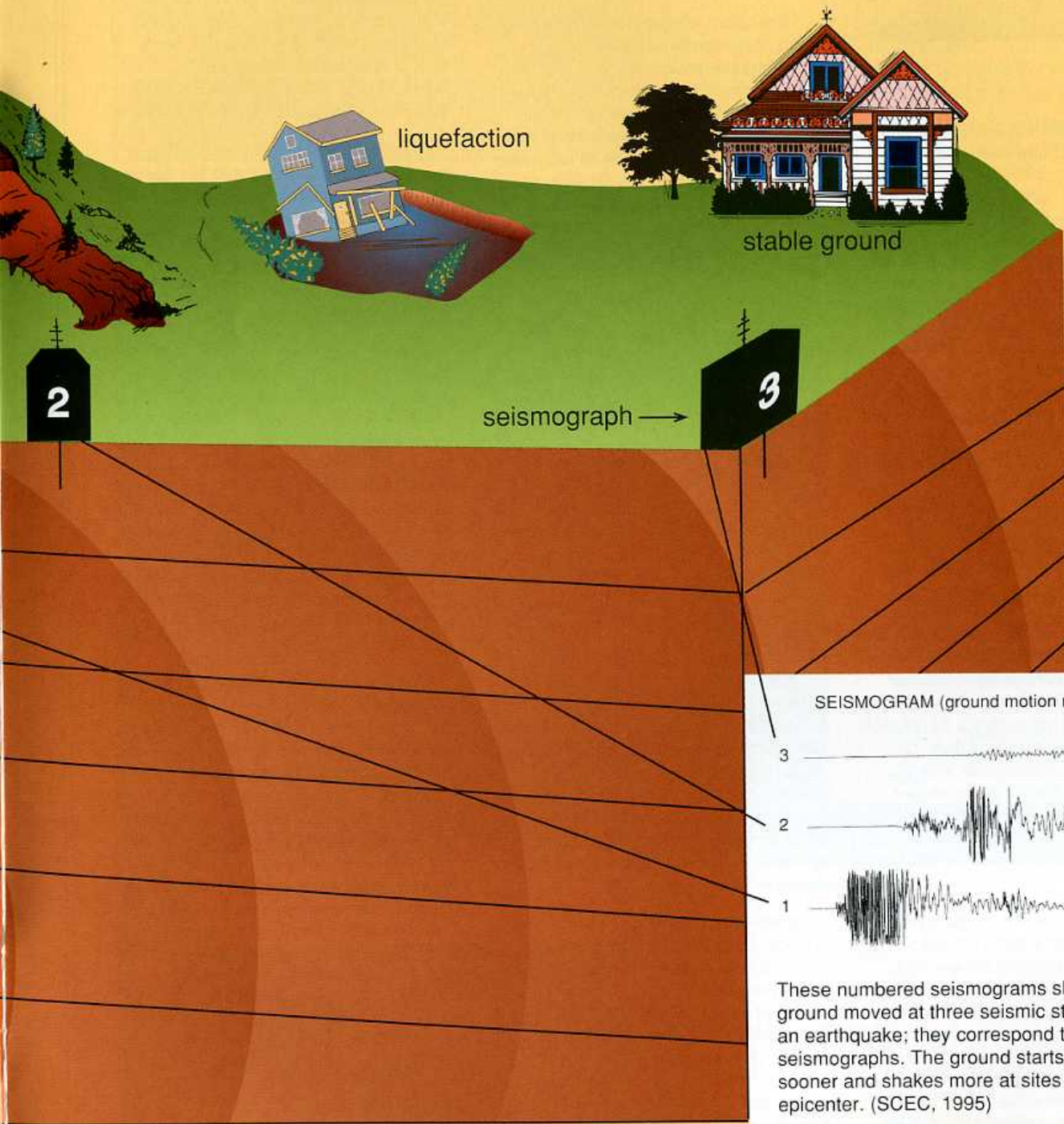
Anatomy of



Buildings' response to earthquakes

Areas near the epicenter will experience all the frequencies the earthquake rupture produces and you will feel jolted. Farther away from the epicenter you will feel the lower frequencies producing more of a rolling motion. Different types of buildings respond differently to these motions. The high-rises are better able to withstand the sudden jolts, whereas smaller buildings such as houses are less able to withstand them. (SCEC, 1995)

of an Earthquake



The glossary for earthquake terms is on page 17.