## Earthquake Terminology

Earthquake — Seismometer — Magnitude Richter scale — Hypocenter — Epicenter — Fault Fault plane — Seismic waves — Tectonic plates

| Earthquake      | a movement of the Earth caused by a shifting<br>in the outer shell                       |
|-----------------|--|
| Seismometer     | instrument used by scientists to monitor<br>earthquakes                                  |
| Magnitude       | strength of an earthquake  |
| Richter scale   | best-known measurement of the magnitude<br>of an earthquake                              |
| Hypocenter      | point deep inside the Earth where an<br>earthquake begins                                |
| Epicenter       | point on the surface of the Earth directly above where an earthquake begins              |
| Fault           | crack in the rocky outer layer of the Earth<br>where rock can move past each other       |
| Fault plane     | surface where rocks slide and grind against each other during an earthquake              |
| Seismic waves   | waves of vibration in the Earth's crust that<br>start at the hypocenter of an earthquake |
| Tectonic plates | interlocking pieces of the crust and upper<br>mantle of the Earth                        |

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|   | Earthquake: a movement of the Earth caused by a shifting in the outer shell $Earthquake: a$ | ┺╂╋ |
| Ē | movement of the Earth   |     |
| ┣ | caused by a shifting in   |     |
| ┢ | the outer shell   | Ŧ   |
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|    | Seismometer: instrument used by scientists to monitor<br>earthquakes |  |
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|    | Seismometer: instrument  |  |
| ļĿ | used by scientists to  |  |
| 냄  | monitor earthquakes  |  |
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| Magnitude: strength of an earthquake Magnitude: strength of an earthquake |  |
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|  |                   |          |                            |     | 1          |                 |                |           |          | Γ | Π |  |  |

| Hypocenter: point deep inside the Earth where an<br>earthquake begins<br>Hypocenter: point<br>deep inside the Earth |  |
|---|--|
| where an earthquake<br>begins   |  |
|   |  |
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| HU.              | Epicenter: point on the surface of the Earth directly above where an earthquake begins |           |
| H1               | Epicenter: point on the  | Η         |
| H1               | surface of the Earth   | H         |
| Ш                |  |           |
| Ш                | directly above where   |           |
| Ш                | an earthquake begins   |           |
| Ш                |  |           |
| Ш                |  | $\Pi_{-}$ |
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| ΗI               |  | Η         |
| H1               |  | H         |
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| Ь | Fault: crack in the rocky outer layer of the Earth where rock |  |
|---|---|--|
| F | can move past each other<br>Eault: crack in the               |  |
| Ь | rocky outer layer of  |  |
| Ь |   |  |
| Ц | the Earth where rock  |  |
| Р | <u>can move past each</u>                                     |  |
|   | other   |  |
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| Fault plane: surface where rocks slide and grind against<br>each other during an earthquake<br>Eault plane: surface<br>where rocks slide and<br>grind against each<br>other during an |  |
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|   | Seismic waves: waves of vibration in the Earth's crust that start at the hypocenter of an earthquake $Seismic$ waves: waves |   |
|   | of vibration in the<br>Earth's crust that start   |   |
|   | at the hypocenter of  |   |
|   | an earthquake   |   |
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| HI | Tectonic plates: interlocking pieces of the crust and upper mantle of the Earth | It |
| HI | Tectonic plates:  |    |
| HI | interlocking pieces of  |    |
|    | the crust and upper   |    |
| HI | mantle of the Earth   | ╟  |
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