

compressional waves

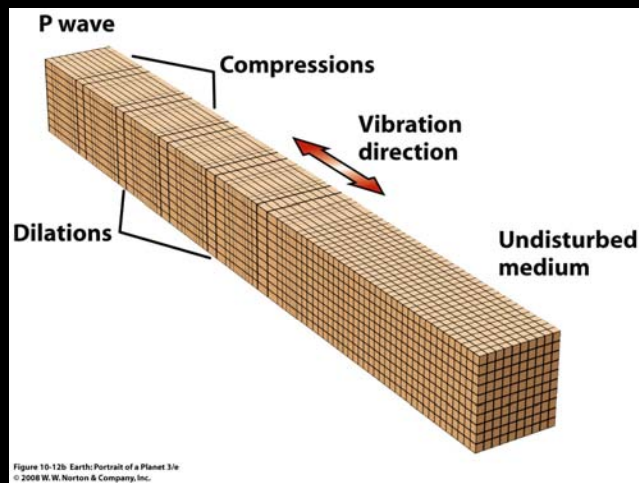


TABLE 10.3 Adjectives for Describing Earthquakes

Adjective	Magnitude	Approximate maximum intensity at epicenter	Effects
great	>8.0	X to XII	major to total destruction
major	7.0 to 7.9	IX to X	great damage
strong	6.0 to 6.9	VII to VIII	moderate to serious damage
moderate	5.0 to 5.9	VI to VII	slight to moderate damage
light	4.0 to 4.9	IV to V	felt by most; slight damage
minor	<3.9	III or smaller	felt by some; hardly any damage

Table 10-3 Earth: Portrait of a Planet 3/e
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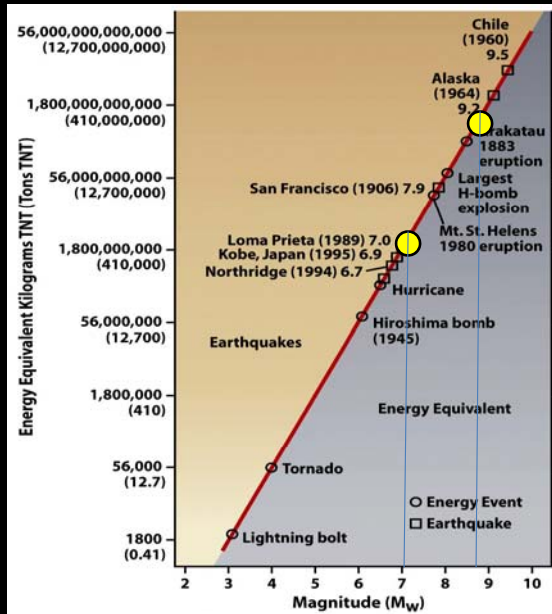
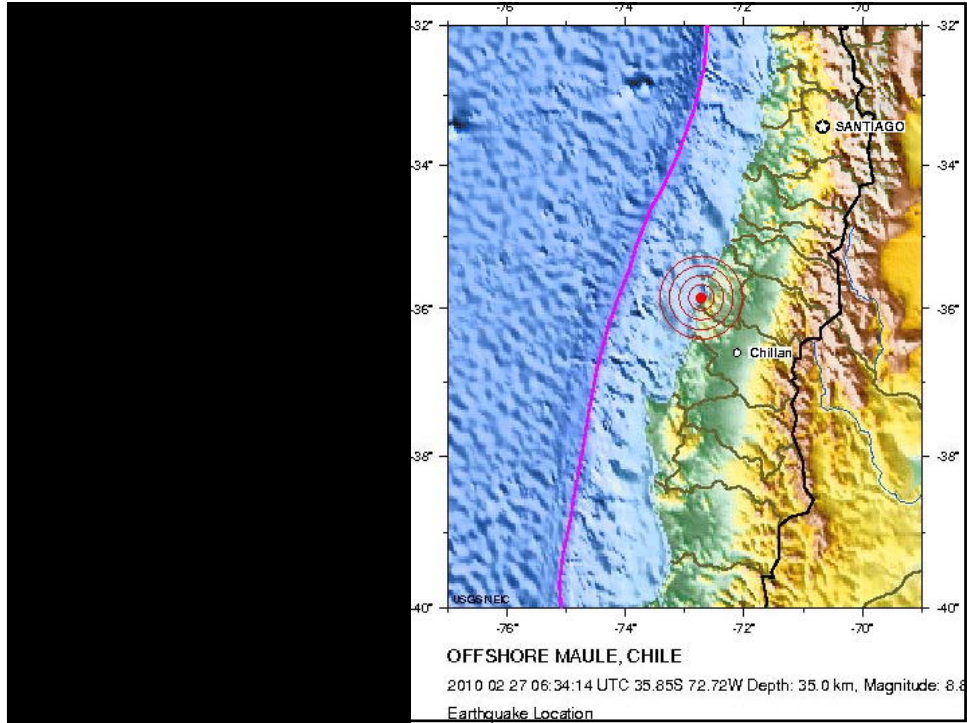
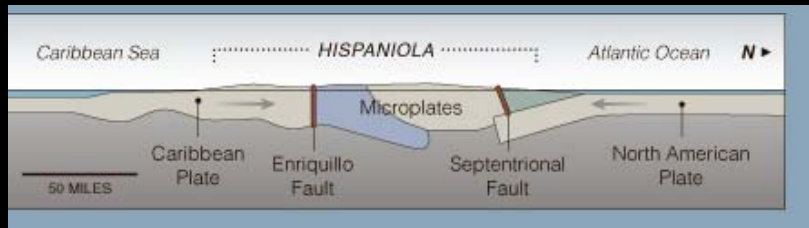


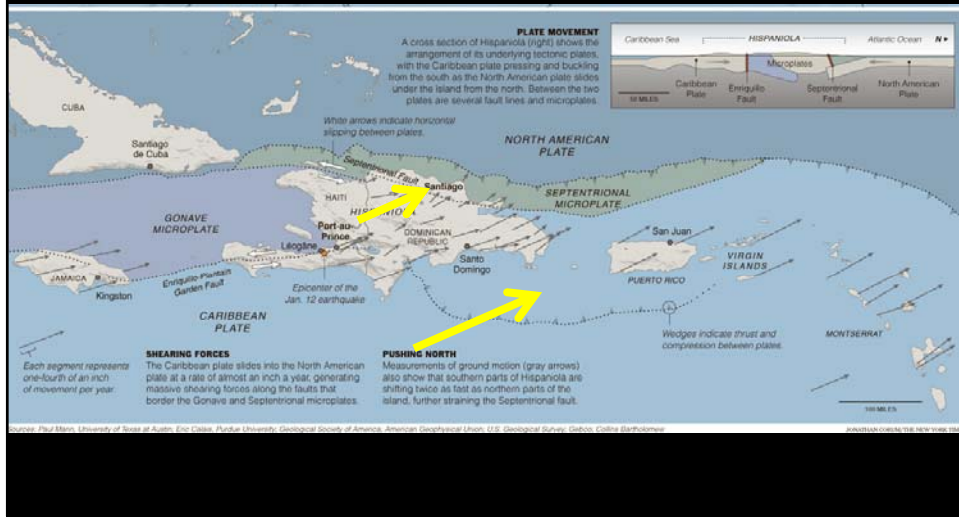
Figure 10-19a Earth: Portrait of a Planet 3/e
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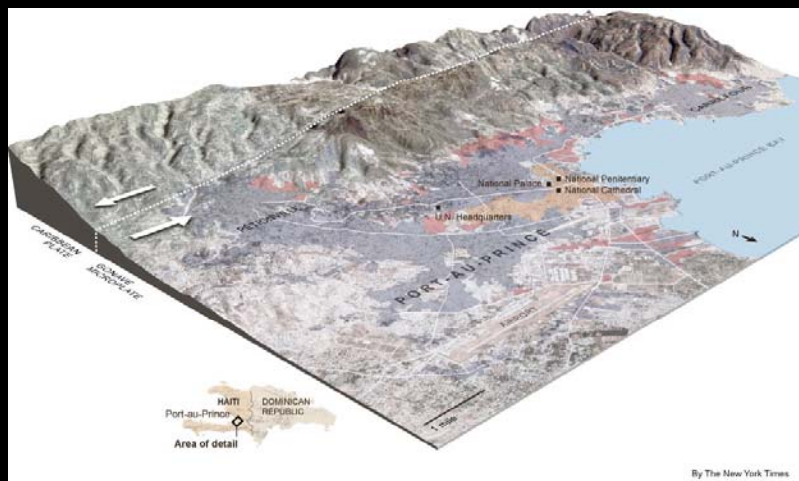
Haiti: tectonic setting (cross section)



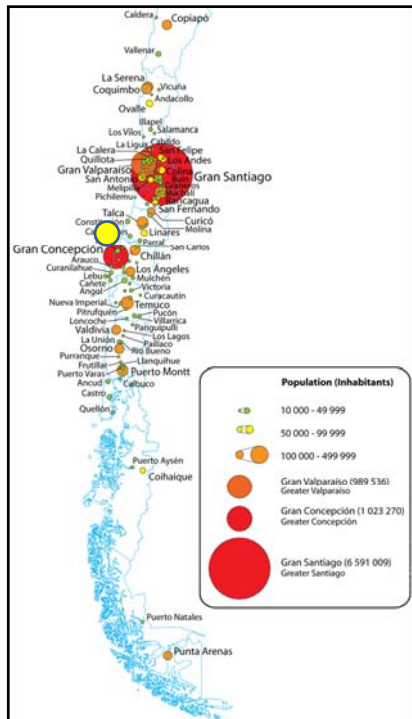
Haiti: tectonic setting



Haiti: population density



historical record of earthquakes



Chile: population density

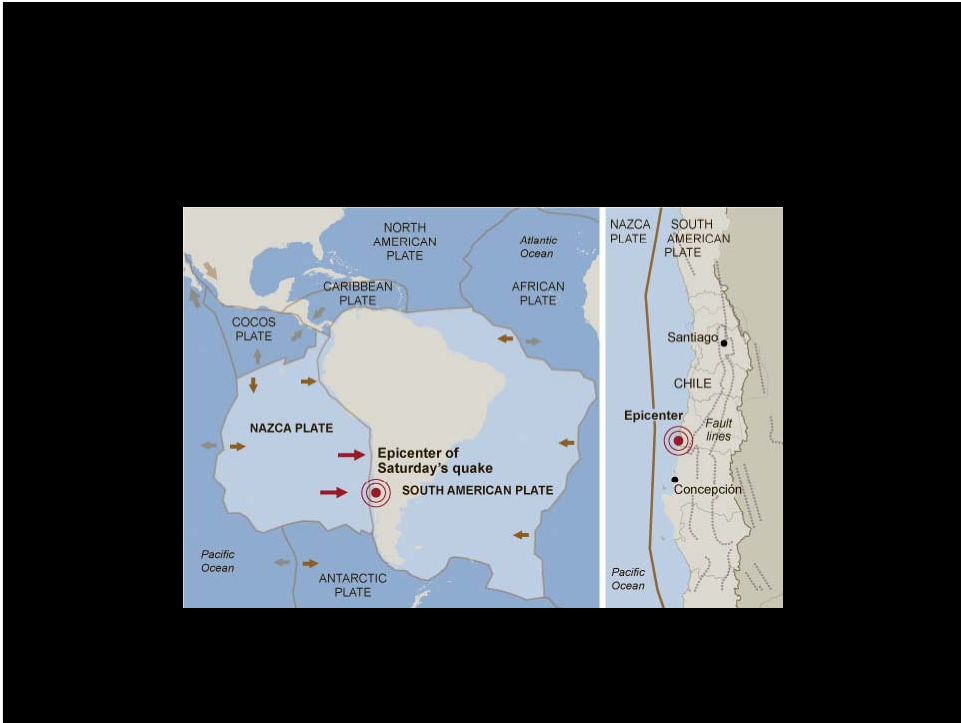


TABLE 10.1 Some Notable Earthquakes

Year	Location	Number of Deaths
2005	Pakistan	80,000
2004	Sumatra	230,000
2003	Bam, Iran	41,000
2001	Bhuj, India	20,000
1999	Calaraca/Armenia, Colombia	2,000
1999	Izmit, Turkey	17,000
1995	Kobe, Japan	5,500
1994	Northridge, California	51
1990	Western Iran	50,000
1989	Loma Prieta, California	65
1988	Spitak, Armenia	24,000
1985	Mexico City	9,500
1983	Turkey	1,300
1978	Iran	15,000
1976	T'ang-shan, China	255,000
1976	Caldiran, Turkey	8,000
1976	Guatemala	23,000
1972	Nicaragua	12,000
1971	Los Angeles	50
1970	Peru	66,000
1968	Iran	12,000
1964	Anchorage, Alaska	131
1963	Skopje, Yugoslavia	1,000

Table 10-1 part 1 Earth: Portrait of a Planet 3/e
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