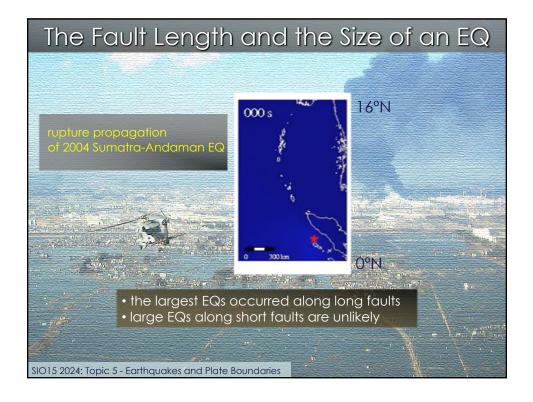
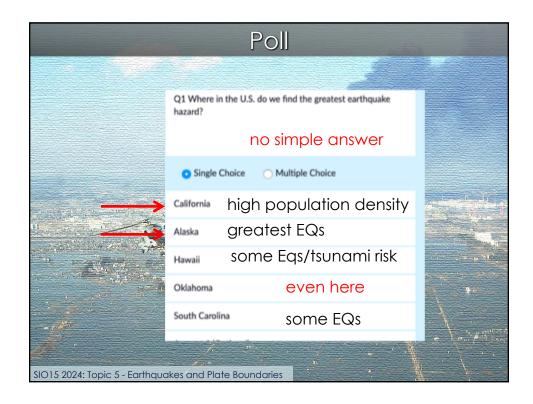
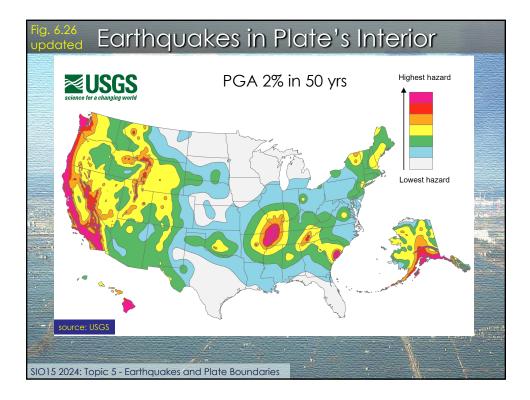


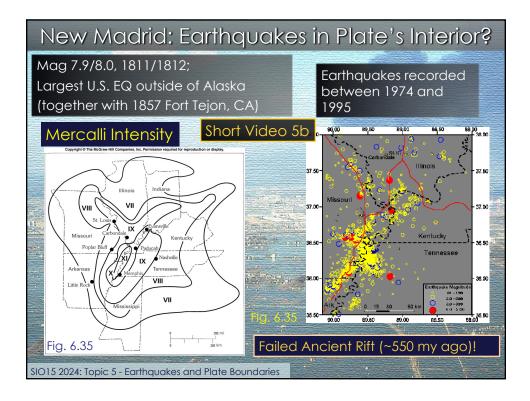
	Table 5.1 The 16 Largest Earthquakes in the World since 1900 ⁽⁹⁾						
R	ank Location	Date		Plate Boundary			
1	Valdivia, Chile	22 May 1960	9.5	Nazca (plate) subduction			
2	Prince William Sound, Alaska "Good Friday Earthquake"	28 Mar 1964	9.2	Pacific subduction			
3	Sumatra-Andaman, Indonesia	26 Dec 2004	9.1	Indian subduction			
4	Tohoku, Japan	11 Mar 2011	9.0	Pacific subduction			
5	Kamchatka	04 Nov 1952	9.0	Pacific subduction			
6	Maule, Chile	27 Feb 2010	8.8	Nazca subduction			
7	Off the Coast of Ecuador	31 Jan 1906	8.8	Nazca subduction			
8	Rat Islands, Alaska	04 Feb 1965	8.7	Pacific subduction			
9	Northern Sumatra, Indonesia	28 Mar 2005	8.6	Indian subduction			
10	Assam, India - Tibet	15 Aug 1950	8.6	India/Asia collision			
11	Andreanof Islands, Alaska	09 Mar 1957	8.6	Pacific subduction			
12	2 Southern Sumatra, Indonesia	12 Sep 2007	8.5	Pacific subduction			
13	Banda Sea, Indonesia	01 Feb 1938	8.5	Pacific/Indian subduction			
14	Kamchatka	03 Feb 1923	8.5	Pacific subduction			
15	6 Chile-Argentina Border	11 Nov 1922	8.5	Nazca subduction			
16	6 Kuril Islands	13 Oct 1963	8.5	Pacific subduction			
N.E.							

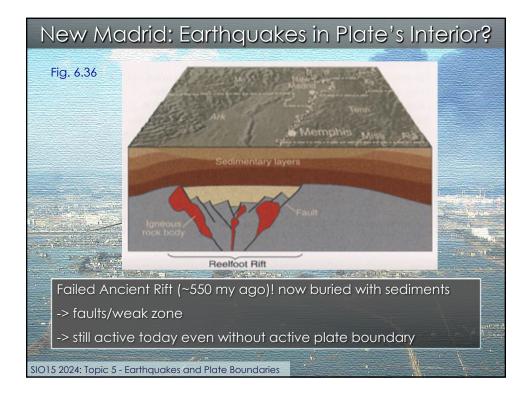


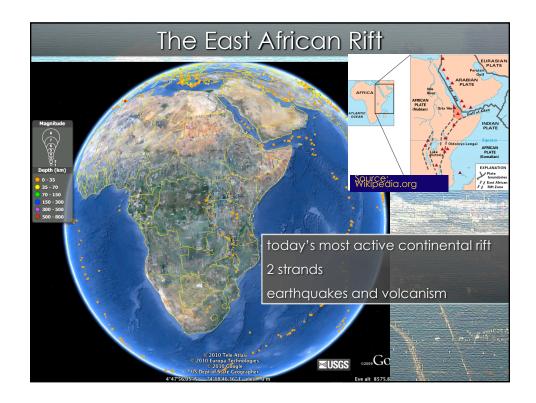
Poll							
	Q1 Where in the U.S. do we find the greatest earthquake hazard?						
	• Single Choice OMultiple Choice						
	California						
	Alaska						
	Hawaii						
بيني وينه محكمة في ال	Oklahoma						
	South Carolina						
SIQ15 2024: Topic 5	Earthquickes and Plate Boundaries						
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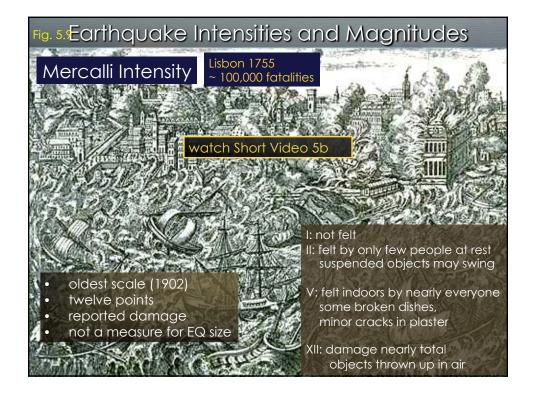


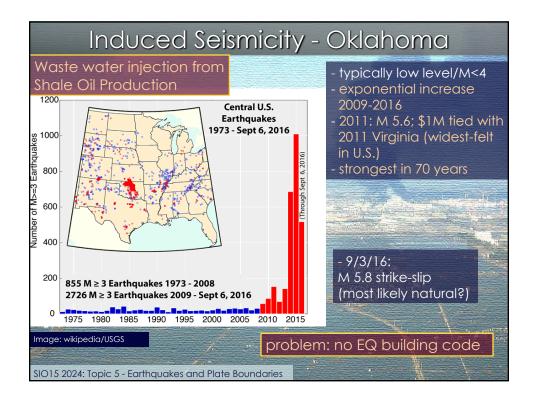


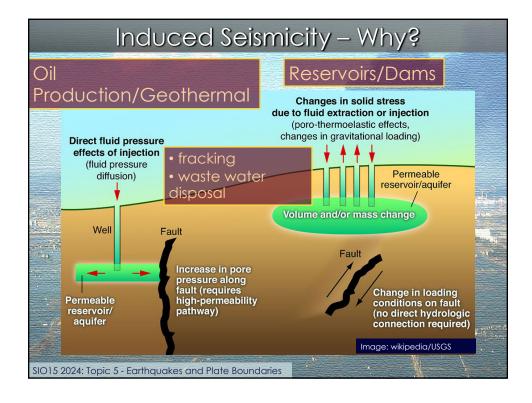


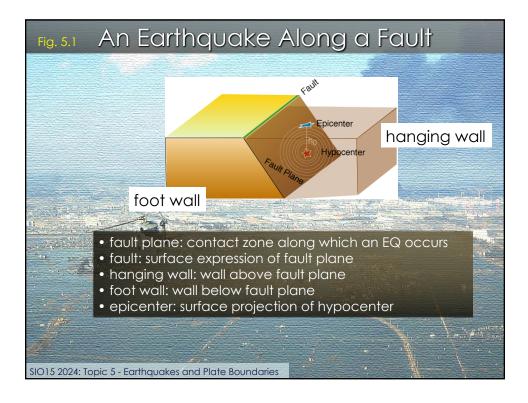


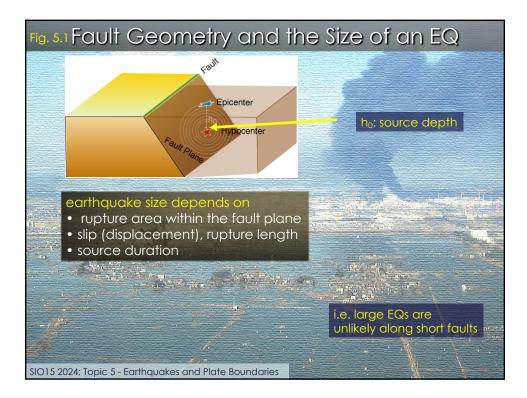


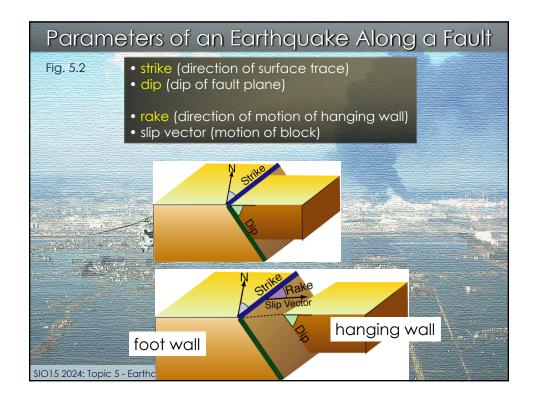












	How	Often Do	Earthquakes Occ	ur?					
	Table 5.5 Annual Worldwide Seismicity by Moment Magnitude (modified from ⁽³⁾)								
ALC: NO.	Magnitude	# of EQs/year	Estimated Radiated Seismic Energy (×10 ¹⁷ J)						
	8.5 and up 8.0-8.4 7.5-7.9 7.0-7.4 6.6-6.9 6.0-6.5 5.0-5.9 4.0-4.9 3.0-3.9 2.0-2.9 0.0-1.9	0.3 1 3 15 56 210 800 6200 49,000 350,000 3,000,000	11.1 5.0 2.7 2.4 1.7 1.4 0.59 0.15 0.04 0.008 0.002						
	sma	5 Mio per year III events often e events rare							
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