Topic 7: Earthquake Seismology https://geowiki.ucsd.edu/sio15 • Homework #1 expect answersheet by Monday • Homework #2 online (due Tuesday) • For-credit test#2 online Sunday, due Monday each test is 5 points each homework is 20 points -> 20/4 = 5 points late submissions will no longer receive extra credits

		Earthquakes Occ	ur?
Table 5.5 Annual	Worldwide Seismicit	y by Moment Magnitude (modified from ⁽³⁾)	
Magnitude	# of EQs/year	Estimated Radiated Seismic Energy (×10 ¹⁷ J)	
8.5 and up	0.3	11.1	
8.0-8.4	1	5.0	
7.5-7.9	3	2.7	
7.0-7.4	15	2.4	
6.6-6.9	56	1.7	
6.0-6.5	210	1.4	
5.0-5.9	800	0.59	
4.0-4.9 3.0-3.9	6200 49,000	0.15 0.04	
2.0-2.9	350,000	0.008	
0.0-1.9	3,000,000	0.002	
0.0-1.9	3,000,000	6.002	
• > 35	Mio per year		7.
		PARTY TO A STATE OF THE PARTY O	
• Small	events often		1
 large 	events rare		1 1
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