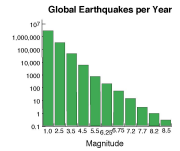


# SIO 15 LECTURE 06: EARTHQUAKE HAZARDS

Leftovers from Lecture 5

Announcements

Earthquake occurrences



## Factors Controlling Damage from an Earthquake

**Earthquake-related factors**

time of day

**human factors**

building codes

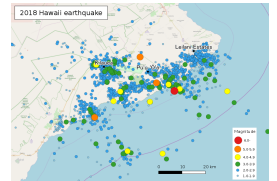
people's routines



population density

**Site-related factors**

local geology



Liquefaction

**watch short video 6a**

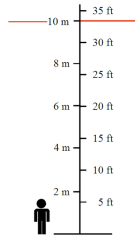
**short videos are test material**

earthquake type



## Tsunami (an EQ-related hazard) vs. Ocean Wind Waves and Tides

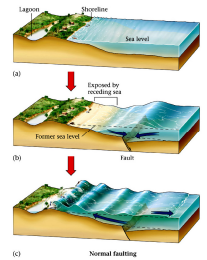
### Examples



### Ocean Waves



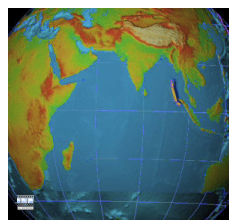
### Tsunami



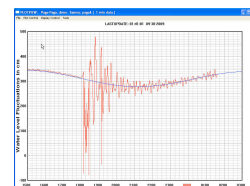
### Tsunami in Hawaii



### Tsunami Warning: Indian vs. Pacific



### Some facts on tsunami



### Tsunami Preparedness



(b)

FIGURE 19.25

Earth: Portrait of a Planet, 2nd Edition  
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Short video 6b (tsunami) not yet released; ignore

Earthquake Types see short video 6c

Earthquakes and other Disasters