

EARTHQUAKES

When the ground shakes...

RECENTLY.

Syria

- 7,300 people have died.
- 8.8 million people affected in Syria
- Less information from Syria, where many people were already living in precarious conditions

Turkey

- 46,000 people have died.
- ~530,000 evacuated from the disaster area in Turkey alone
- 173,000 buildings so far recorded as collapsed or severely damaged; > 1.9 million people taking refuge in temp. shelters or hotels and public facilities
- ~20 million people affected



Southeastern Turkey & Northern Syria

MAGNITUDE 7.8
EARTHQUAKE ON FEBRUARY 6.

- Aftershock of magnitude 7.5 just 9 hours later
- Another magnitude 6.4 earthquake hit on February 20th
- Region rocked by > 9,000 aftershocks, according to the AFAD (Disaster and Emergency Management Organization of Turkey)



THE RESPONSE

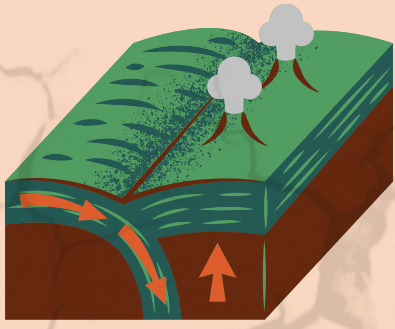


- Countries across the globe have sent relief and help
 - China, Algeria, Greece just to name a few!
 - Assistance in the form of medical supplies and search crews
 - US pledges 185 million dollars to relief efforts
- Many relief organizations accepting donations to help
 - Project HOPE
 - Bridge to Turkey Fund
 - UNICEF USA
 - Red Cross

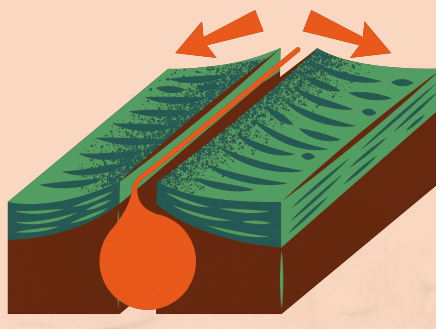


Earthquake Formation

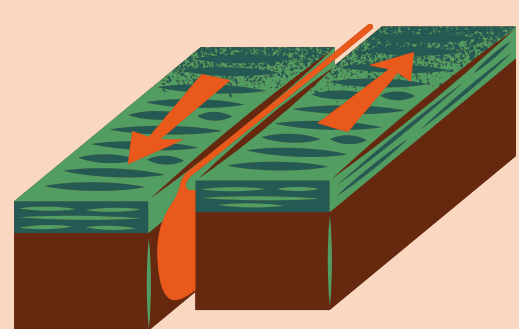
- Sudden slips on a fault
 - Tectonic plates are moving under us at all times
 - They can sometimes move, and this built-up movement creates pressure that forms earthquakes when released



Convergent Boundary
(plates collide together)



Divergent Boundary
(plates are forced apart)

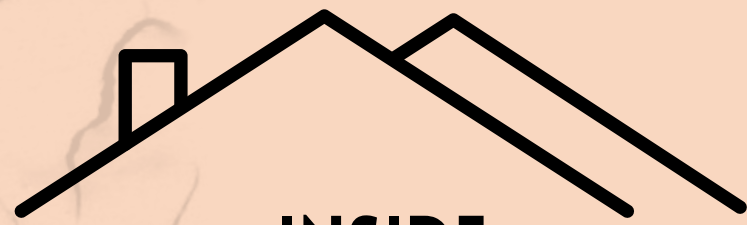


Transform Boundary
(plates slip by each other)

Statistics

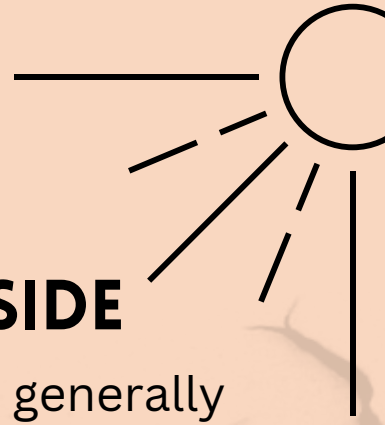
- Earthquake strength is measured on the Richter scale (goes up to 10), and the largest recorded earthquake was in Chile in 1960, with a magnitude of 9.5
- Most earthquakes occur < 50 miles from the Earth's surface
- The deadliest recorded earthquake was in 1556 in China, killing around 830,000 people

Earthquake Safety



INSIDE

- Make an emergency plan
- Create a supply kit with food and water, a flashlight, and a whistle
- Secure heavy items in the house like furniture
- Store fragile items on lower shelves



OUTSIDE

- Outdoors are generally safer
- Plan and practice what to do if an earthquake strikes
- Avoid areas with trees, telephone poles, walls, and windows
- Scout out an open space

Staying Safe



DROP



COVER



HOLD

- Be careful about damage to other structures, pipelines, or other infrastructure
- Prepare for aftershocks
- Make noise if trapped

Sources

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