

ASSIGNMENT 3: MAPPING SPACE

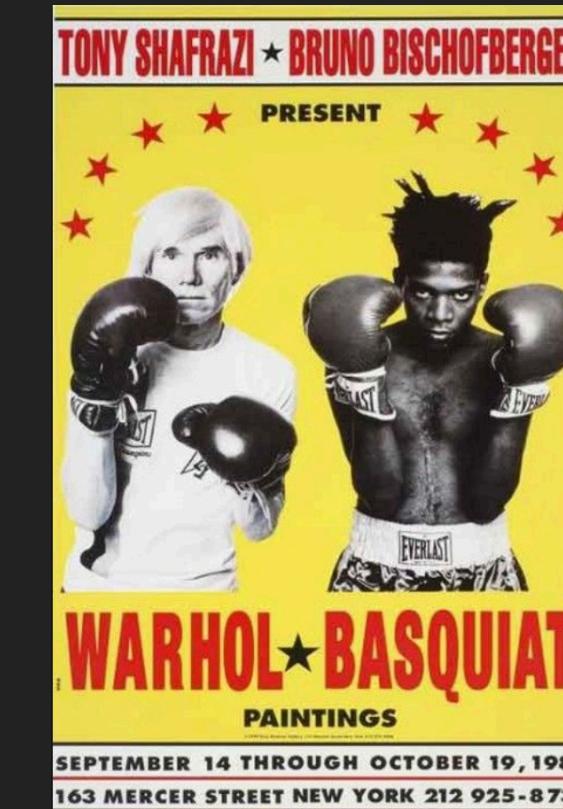
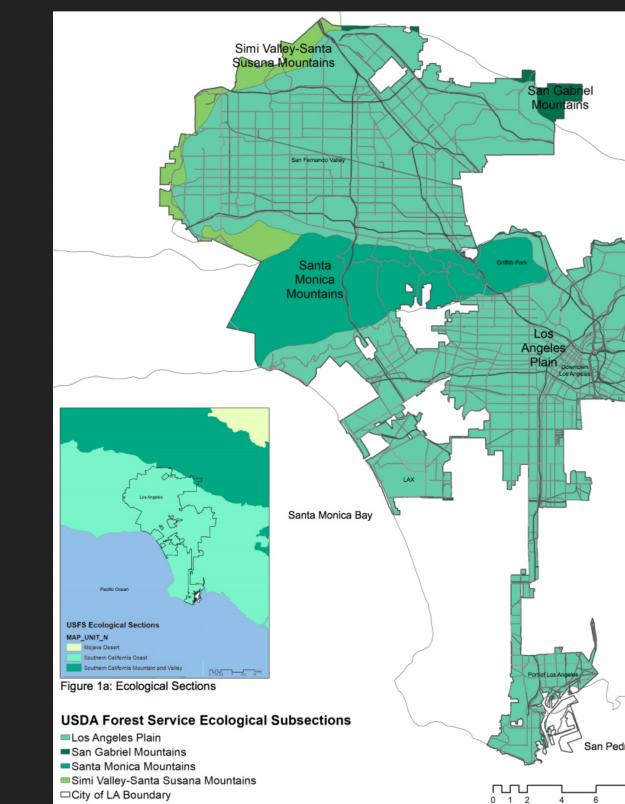
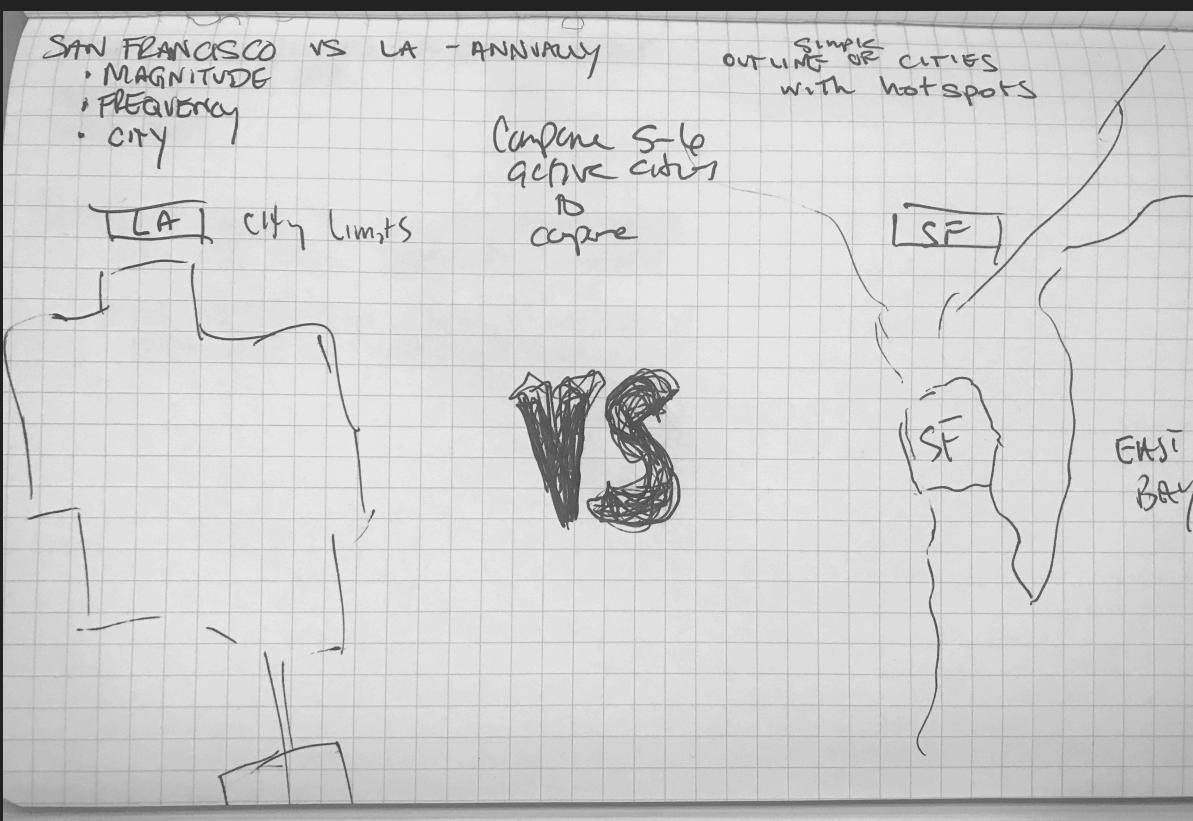
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THE RING OF FIRE & TECTONIC  
PLATE ACTIVITY

# PROCESS

# 3 ideas: SF vs. LA, Ring of Fire, and Safest Cities

# SF vs. LA

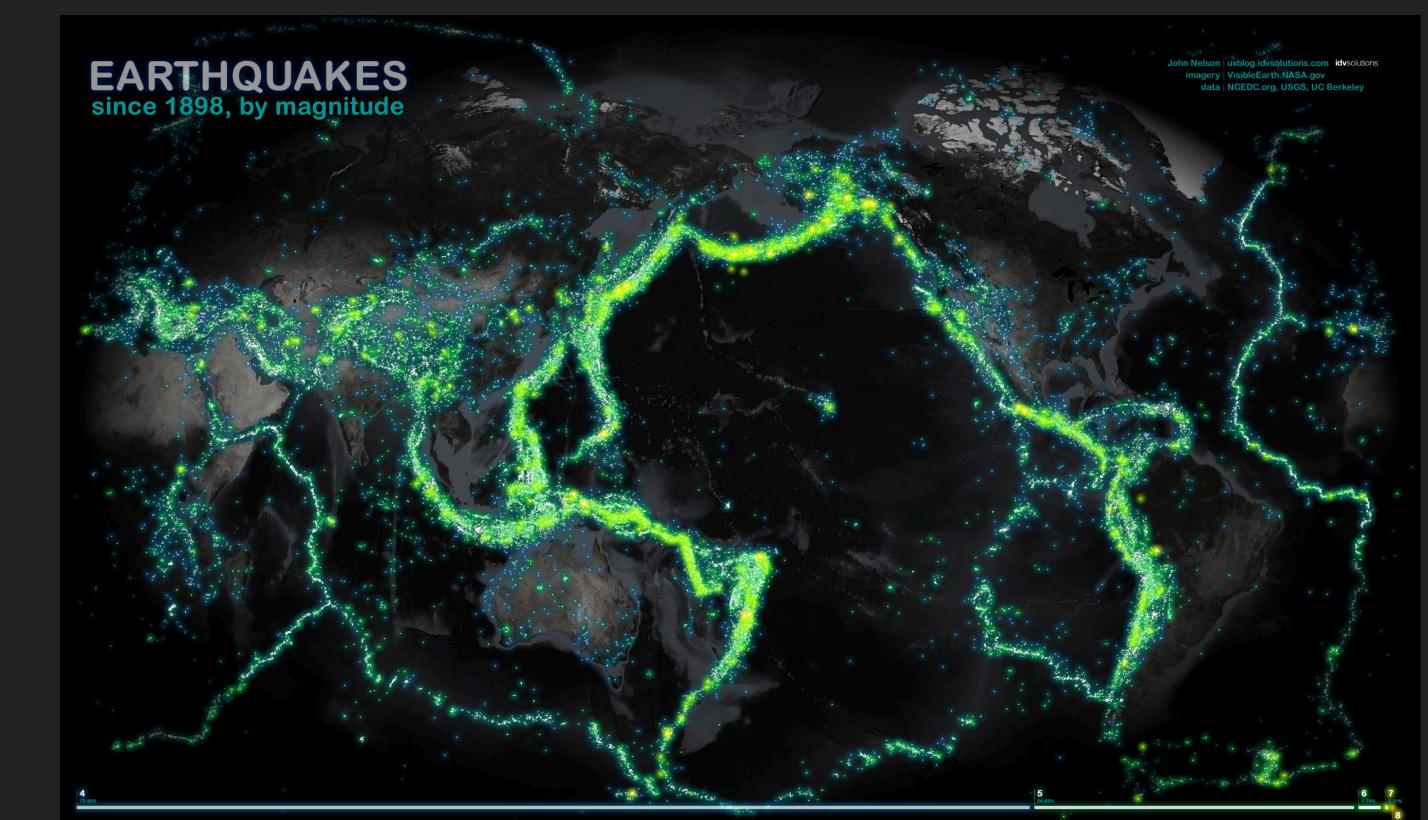
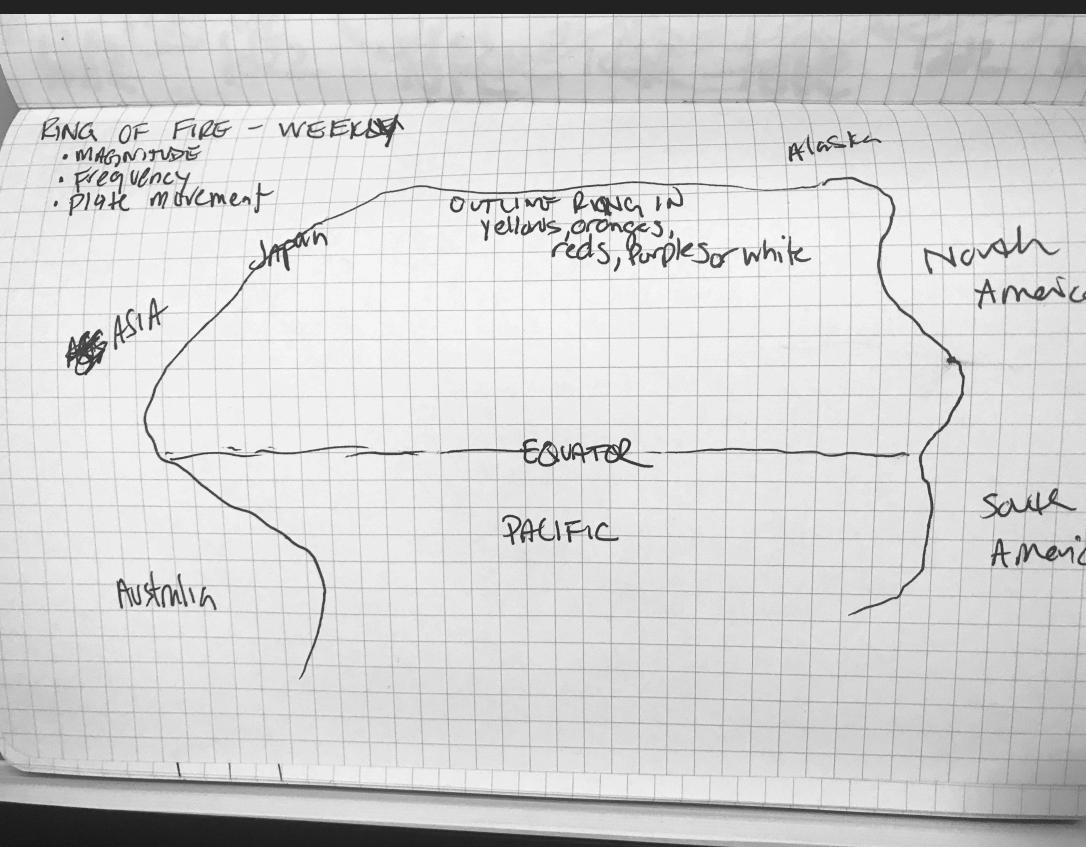


# Ring of Fire

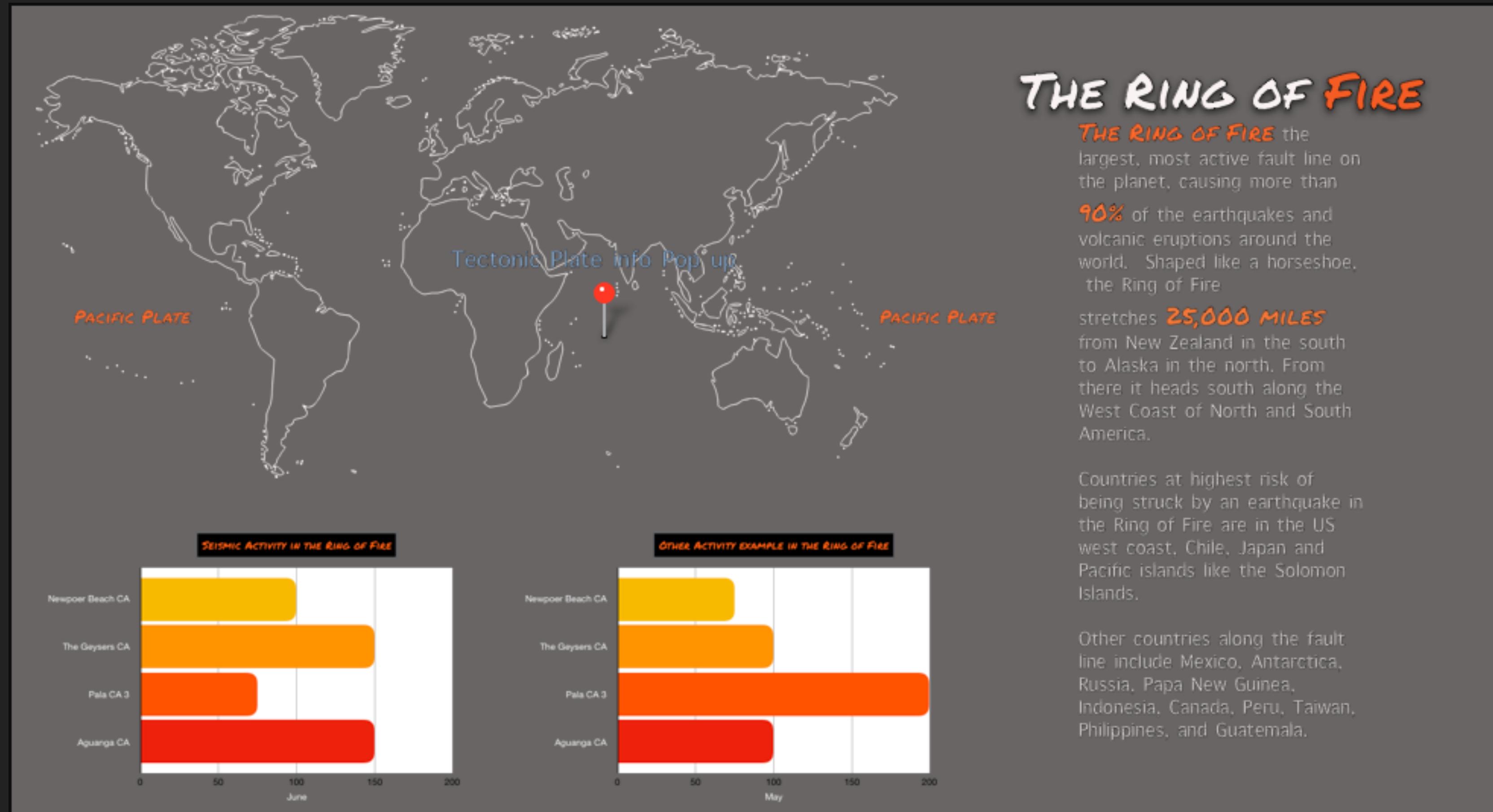
- Review of frequency & tectonic plate activity
  - Reshaping our world

John Nelson

John Nelson  
<https://adventuresinmapping.com/>



# Draft of Sketch

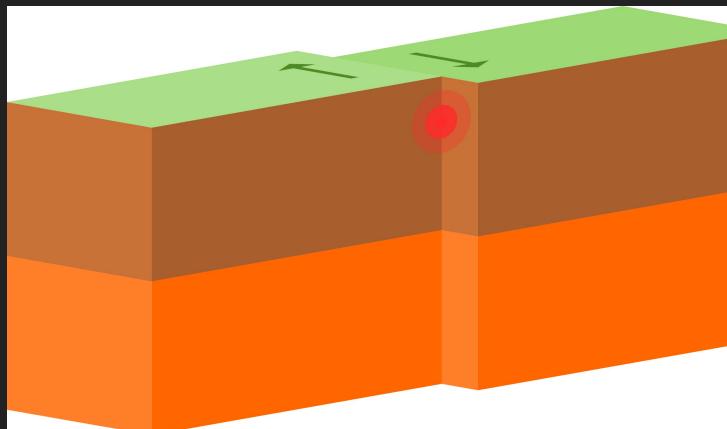


## THE RING OF FIRE

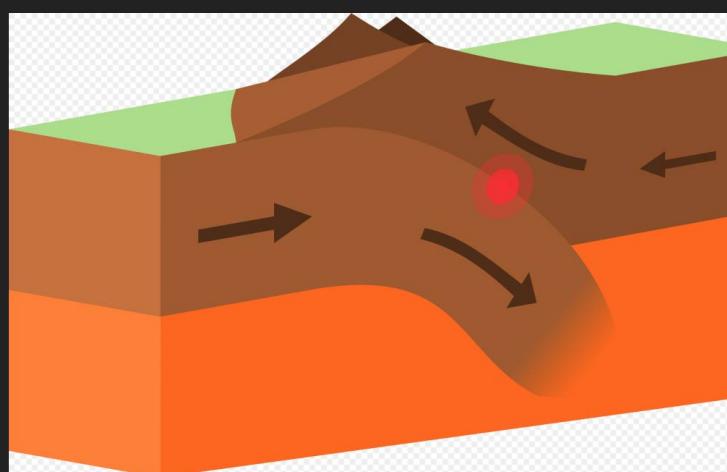
**THE RING OF FIRE** the largest, most active fault line on the planet, causing more than **90%** of the earthquakes and volcanic eruptions around the world. Shaped like a horseshoe, the Ring of Fire stretches **25,000 MILES** from New Zealand in the south to Alaska in the north. From there it heads south along the West Coast of North and South America.

Countries at highest risk of being struck by an earthquake in the Ring of Fire are in the US west coast, Chile, Japan and Pacific islands like the Solomon Islands.

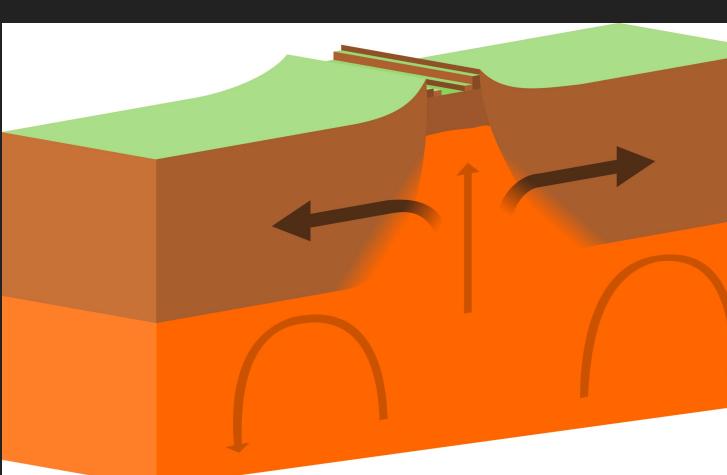
Other countries along the fault line include Mexico, Antarctica, Russia, Papa New Guinea, Indonesia, Canada, Peru, Taiwan, Philippines, and Guatemala.



Transform Boundary



Divergent Boundary



Convergent Boundary

## RING OF FIRE

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- The Ring of Fire the largest, most active fault line on the planet
  - 75% of the worlds volcanoes
  - Causing more than 90% of the earthquakes
- Stretches 25,000 miles from New Zealand in the south to Alaska in the north. From there it heads south along the West Coast of North and South America.
- Countries at highest risk of being struck by an earthquake in the Ring of Fire are in the US west coast, Chile, Japan and Pacific islands like the Solomon Islands.
- Other countries along the fault line include Mexico, Antarctica, Russia, Papa New Guinea, Indonesia, Canada, Peru, Taiwan, Philippines, and Guatemala.

## PROCESS

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### Color Palette:

#### Continents

Black, Charcoal Gray

#### Ring of Fire:

Reds, Oranges

#### Earthquake Data:

Neon Greens, Neon Yellows, Whites, and Blues

### Challenges:

- Overlay plates to map
- Lat/long points won't center or wrap
- Code for diagrams

# TECTONIC PLATES

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Recoloring & editing in Illustrator to overlay

## LIVE MAP

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Forthcoming :(