



# THE GEOSPHERE

# VOCABULARY

Capas

Nucleo

Manto

Corteza

Layers

Core (outer/inner)

Mantle

Crust

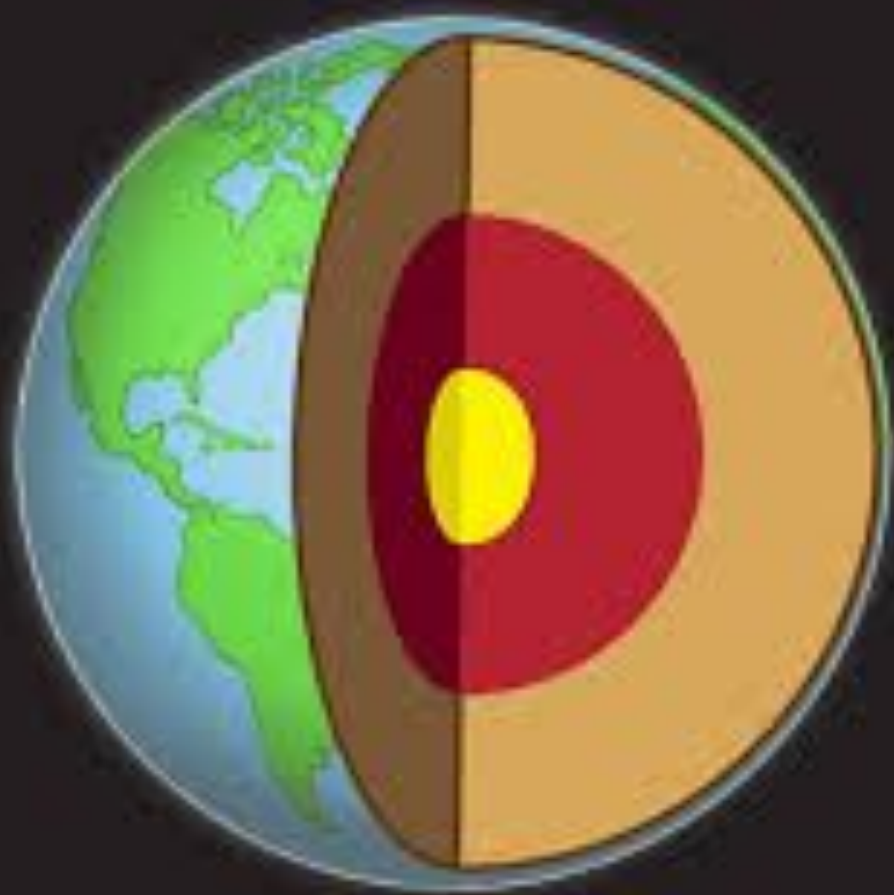
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*What are the 3 layers of the Earth?*

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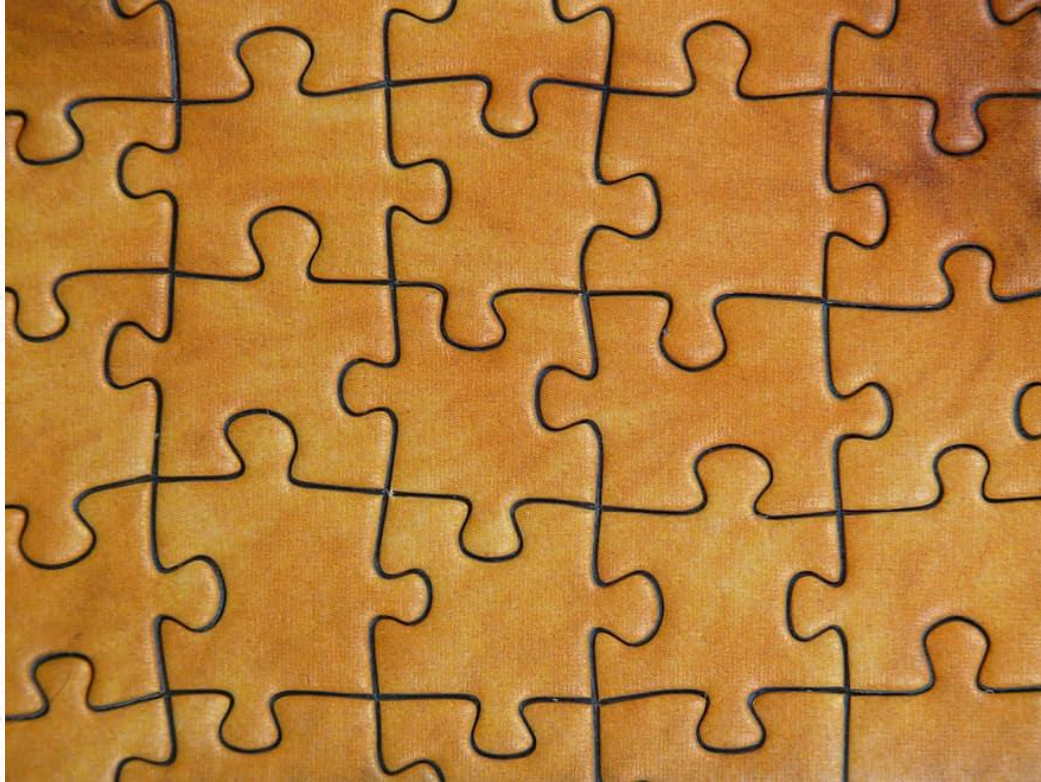
*The 3 layers of the Earth are the nucleus, mantle, and crust.*

”





WHAT IS THIS?



# VOCABULARY

Piezas

Placas

Mover

Falla

Presion

Valle

Montaña

Pieces

Plates

To move

Fault line

Pressure

Valley

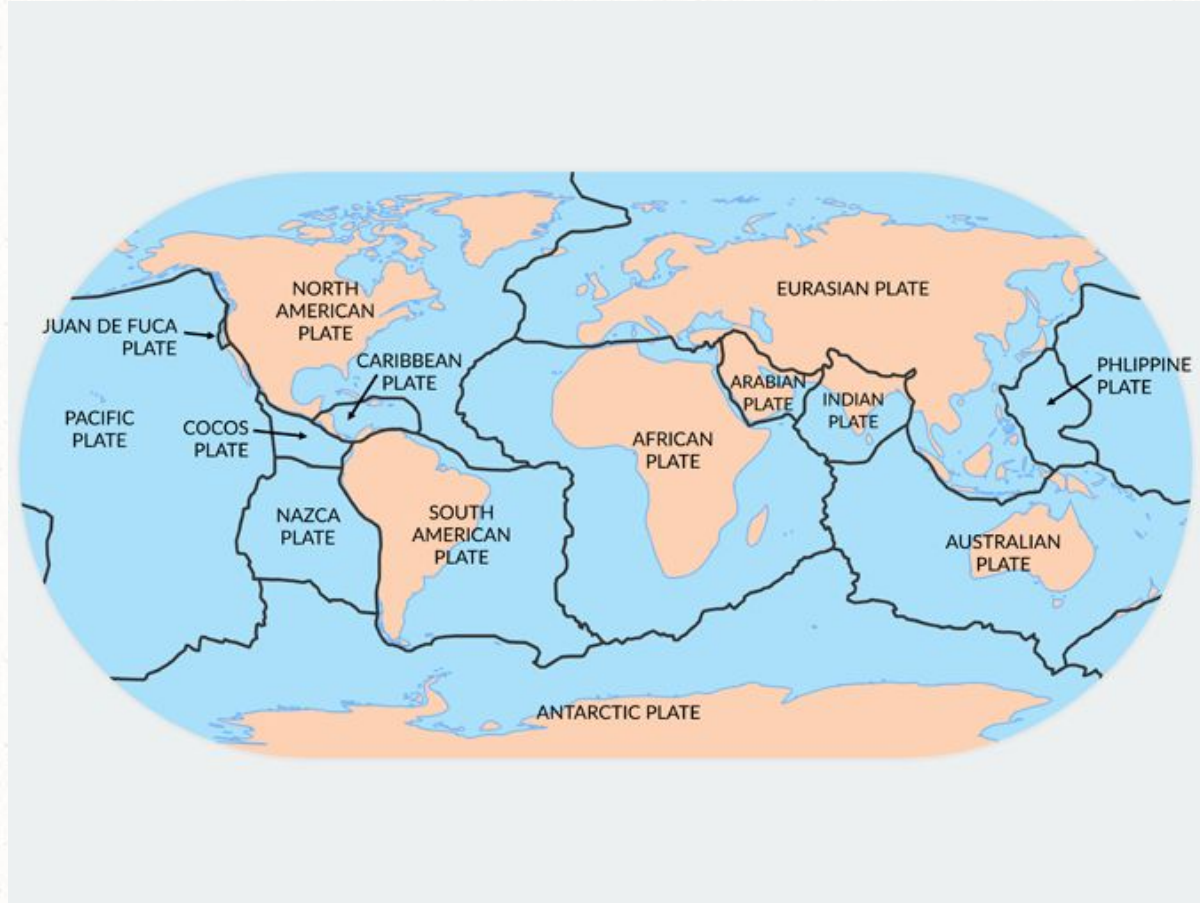
Mountain



*The Earth's crust is like a puzzle*



# THE EARTH'S CRUST IS MADE OF TECTONIC PLATES



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*The Earth's plates are always moving*

**THE SPACE BETWEEN 2 MOVING PIECES OF THE EARTH'S  
CRUST IS CALLED A FAULT LINE.**



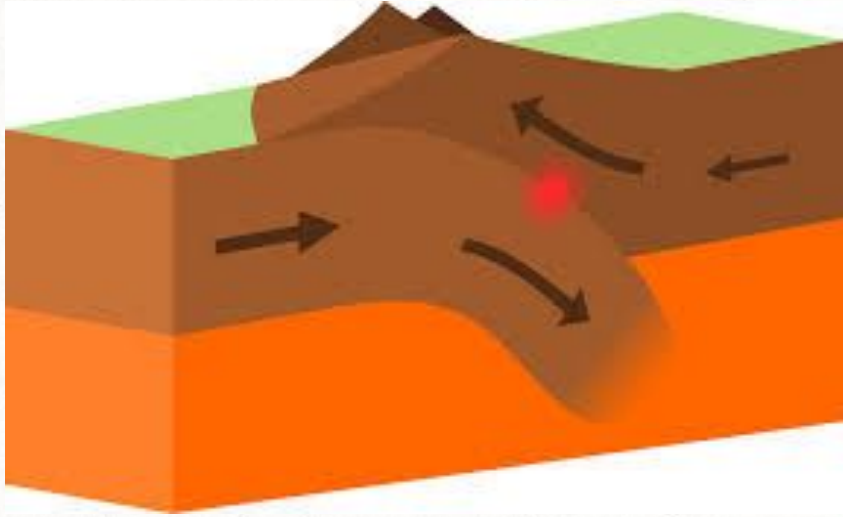




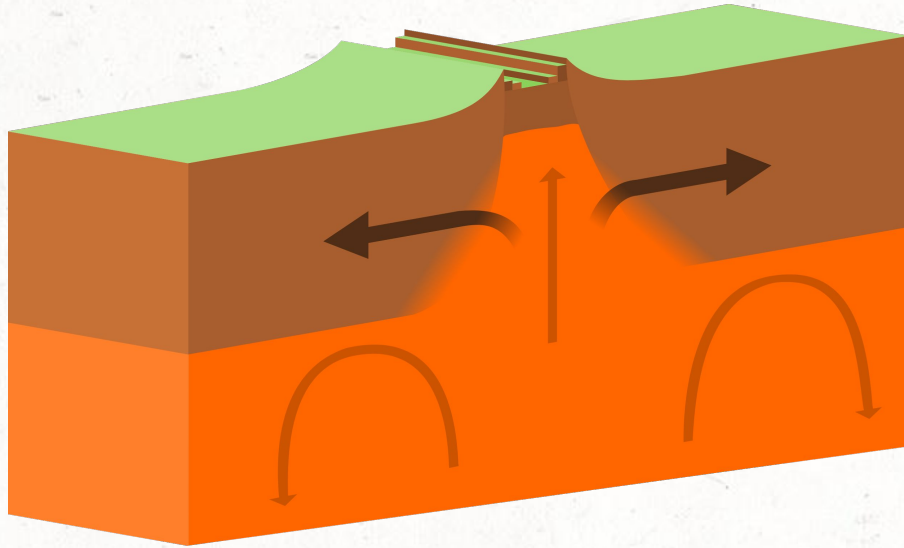
*When two pieces of the crust move against each other  
pressure is created.*



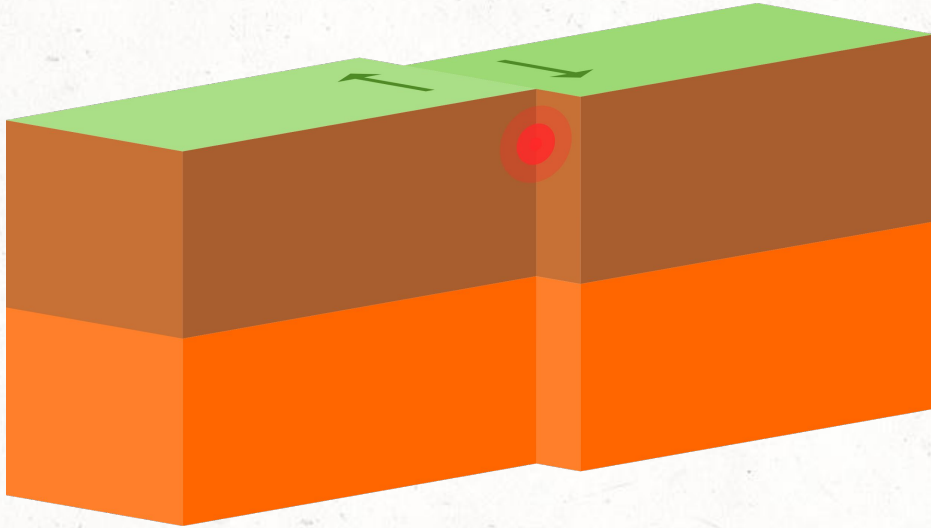
**THIS PRESSURE CAN PUSH PIECES OF THE CRUST UP TO  
CREATE MOUNTAINS**



**PLATES CAN MOVE AWAY FROM EACH OTHER TO CREATE VALLEYS OR CANYONS**



# PLATES CAN SLIDE PAST EACH OTHER TO CREATE EARTHQUAKES









# WHAT SHOULD YOU DO DURING AN EARTHQUAKE?

- ▶ Hide under furniture like a table or desk
- ▶ Cover your head and neck with your arms
- ▶ Hold on to the object you are under
- ▶ Stay inside
- ▶ Move to an open area away from buildings



# VOCABULARY

Derrumbe/desprendimiento

Fire/incendio

Tsunami

Inundacion

Landslide

Fire

Tsunami

Flooding

# WHAT HAPPENS DURING AN EARTHQUAKE?

- ▶ Very loud noises
- ▶ Ground shakes and causes landslides
- ▶ Buildings move/fall
- ▶ Objects fall and break
- ▶ Broken electricity wires can cause fires
- ▶ Movement under the sea can cause tsunamis





# THE SAN ANDREAS FAULT IS IN CALIFORNIA



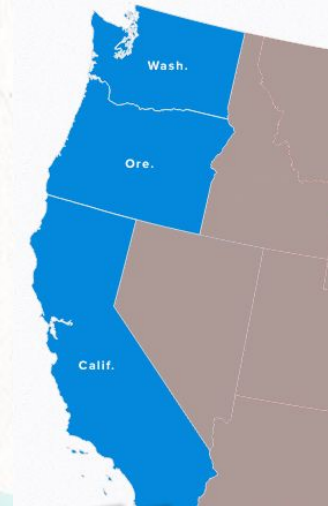


# 1906 GREAT EARTHQUAKE AND FIRE

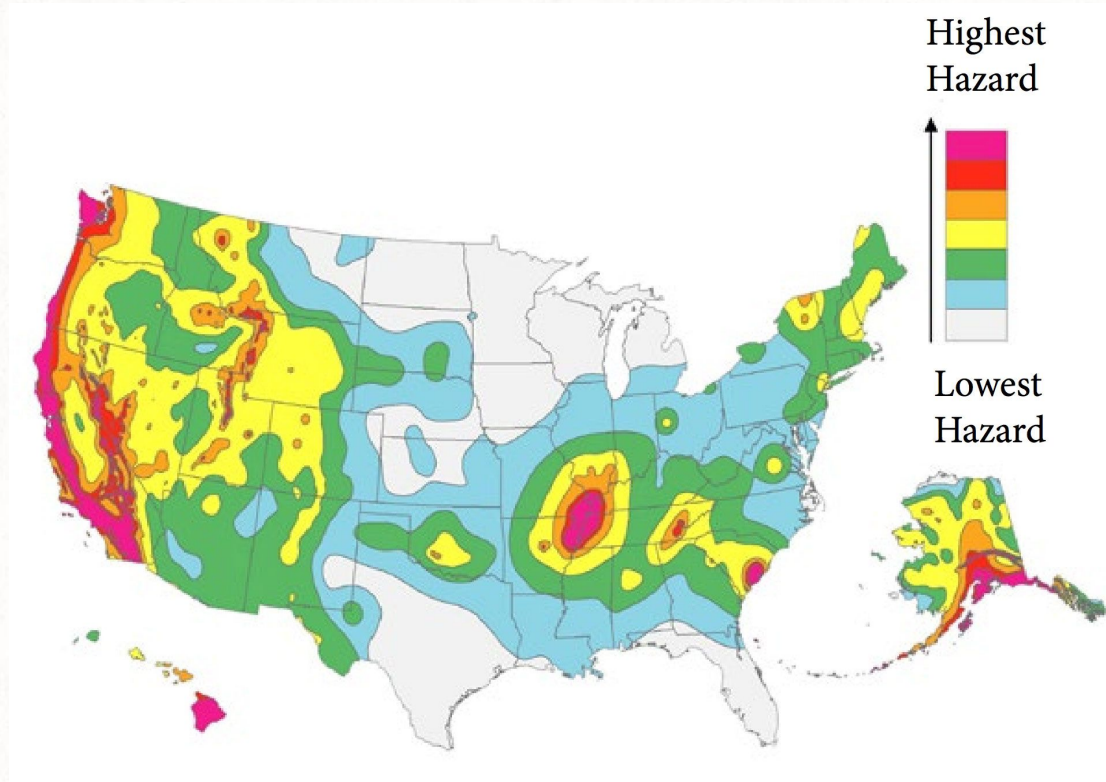


# "THE BIG ONE"

- ▶ Scientists CAN NOT predict earthquakes
- ▶ The San Andreas Fault is capable of producing an earthquake that could destroy parts of California, Oregon, and Washington.



# NOT EVERY STATE HAS EARTHQUAKES





# QUIZ!

1. What are the layers of the Earth?
2. What are the pieces of the Earth's crust called?
3. Which 3 things can be created by the Earth's crust moving?
4. What should you do during an earthquake?
5. Where is the San Andreas fault line located?