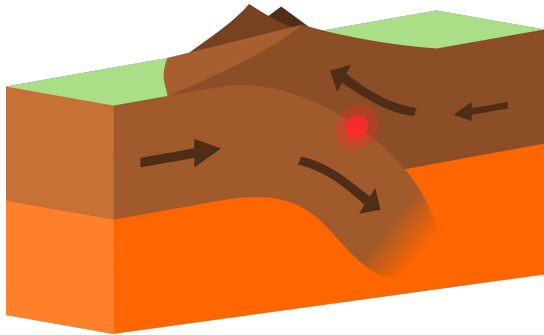


Science Virtual Learning

# 7th Grade Science Plate Boundary Types



May 15, 2020



## 7th Grade Science Lesson: May 15, 2020

### **Objective/Learning Target:**

I can describe the different types of tectonic plate boundaries, how they move and what features they create.

Next watch this Video Over: [Plate Boundaries-Divergent-Convergent-Transform](#)

Bellwork -See how well you do on this Quizizz!

## Plate Boundary Quizizz



Some Key Points to Remember...(Write these down on a piece of paper to use for today's practice- you may shorten or paraphrase your notes.)

- **Convection Currents** in the mantle move the plates as the core heats the slowly-flowing asthenosphere (the elastic/plastic-like part of the mantle).
- The edges of Earth's plates meet at plate boundaries.
  - ◆ Extended deep into the lithosphere
- A different type of plate movement occurs along each type of boundary.
- 3 Types of Plate Boundaries:
  - ◆ Divergent
  - ◆ Convergent
  - ◆ Transform

# Key Points to Remember....

## → Divergent Plate Boundaries



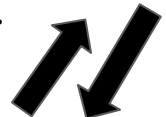
- ◆ A plate boundary where two plates move away from each other.
- ◆ Rifting causes seafloor spreading
- ◆ Features: May form Rift Valleys on continents & Sea-floor spreading (new crust created) in the ocean; Mid-ocean ridges (due to seafloor spreading), Earthquakes & Fissure Volcanoes

## → Convergent Plate Boundaries



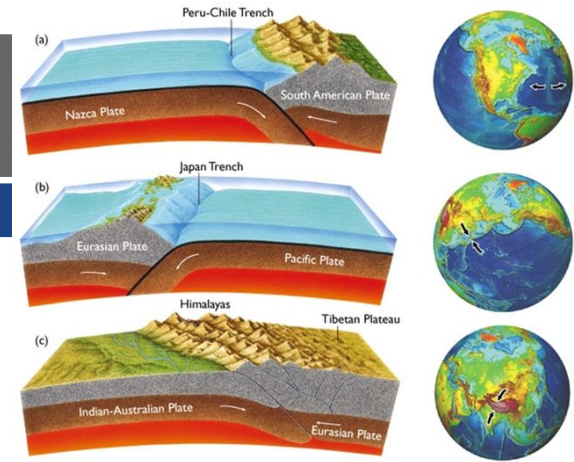
- ◆ A plate boundary where two plates move towards each other.
- ◆ Boundaries between two plates that are colliding.
- ◆ 3 Types: Continental-Continental, Continental-Oceanic, Oceanic-Oceanic
- ◆ Features: Earthquakes, Volcanic Island Arcs, Folded Mountains, Trenches

## → Transform Plate Boundaries



- ◆ A plate boundary where two plates move past each other in opposite direction.
- ◆ Features: Lots of Earthquakes and Fault Lines

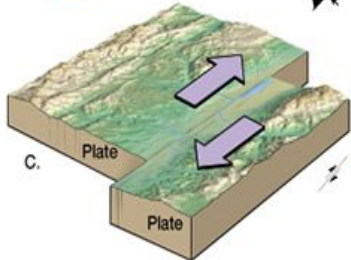
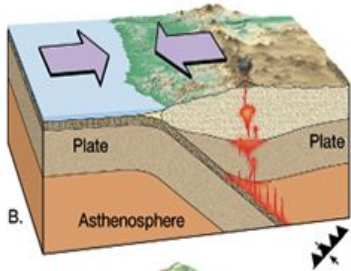
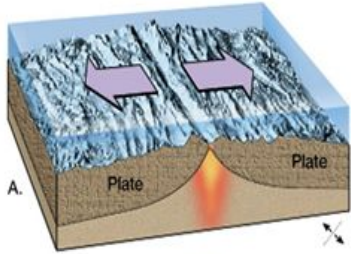
## Key Points to Remember...



## Convergent Boundaries, a little more in-depth...

- Continental-Oceanic:
  - ◆ **Subduction Zone**: The process by which oceanic crust sinks beneath a deep-ocean trench and back into the mantle at a convergent plate boundary. Volcanoes occur at subduction zones
- Oceanic-Oceanic:
  - ◆ The less dense plate slides under the more dense plate creating a subduction zone called a **TRENCH**
- Continental-Continental:
  - ◆ Have Collision Zones:
    - A place where folded and thrust faulted mountains form.

Practice (Write this down on your own piece of paper please)

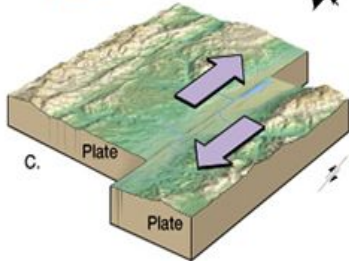
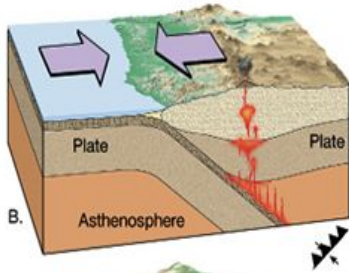
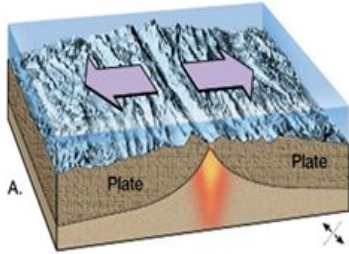


Can you match the boundary name correctly with its diagram?

A. \_\_\_\_\_

B. \_\_\_\_\_

C. \_\_\_\_\_



Can you match the boundary name correctly with its diagram?

- A. Divergent Boundary
- B. Convergent Boundary
- C. Transform Boundary



More Practice- Let's see how we do on the Quizizz  
now!

## Plate Boundaries Quizizz

