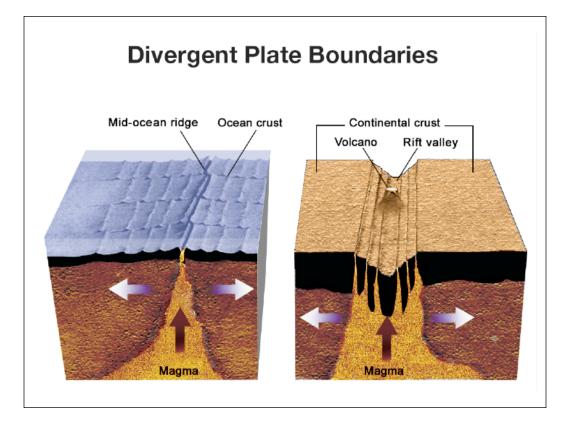




### **19.3 Divergent boundaries**

- Divergent boundaries are found in the ocean as mid-ocean ridges.
- A divergent boundary is the line between two plates where they are moving apart.
- This type of boundary is found over the rising plume of a mantle convection cell.

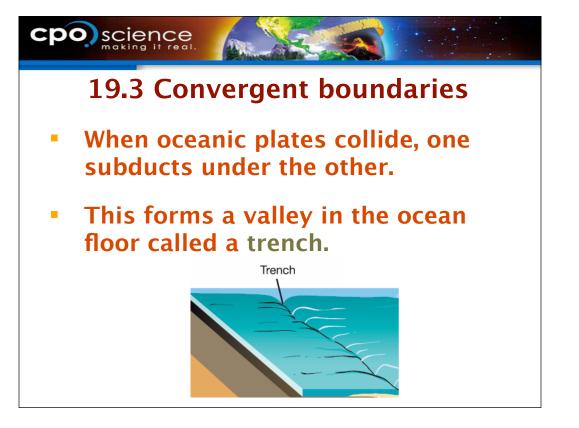


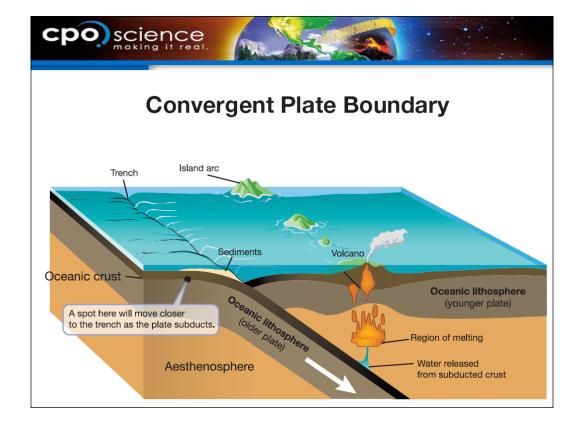
## **19.3 Divergent boundaries**



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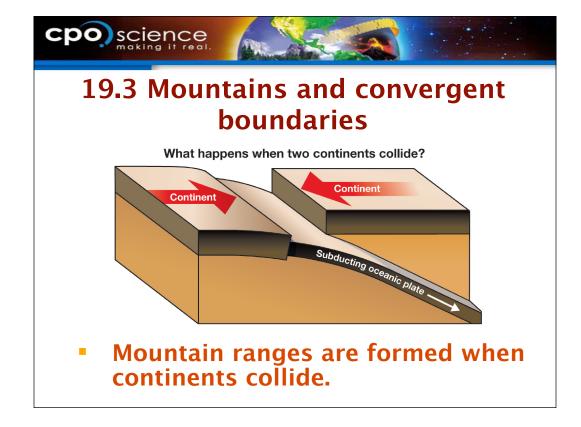
- Divergent boundaries can also be found on continents as rift valleys.
- When a rift valley forms on land, it may eventually split the landmass.

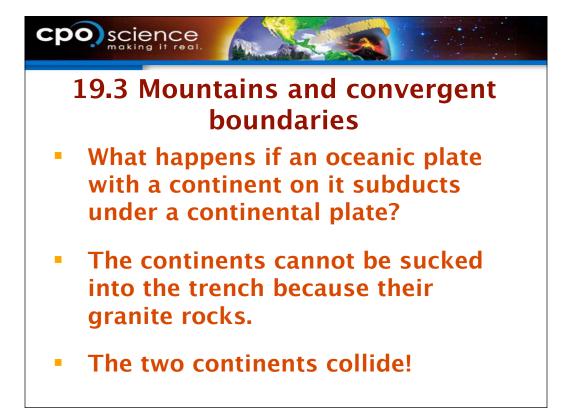


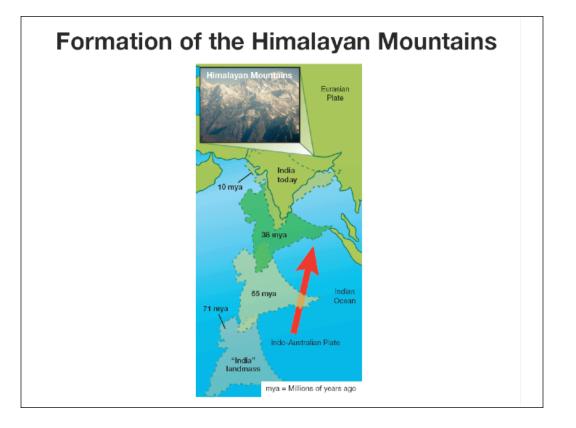


# Description 19.3 Convergent boundaries What happens if an oceanic plate and a continental plate collide? Which plate would subduct? The oceanic plate must subduct under the continental plate.

 A continental plate is simply too buoyant to subduct under an oceanic plate.





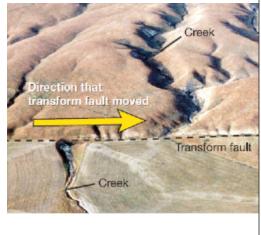


# **19.3 Transform fault boundaries**

 A good clue for locating transform faults is offsetting.

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 When seen from above, the feature will appear to make a zig-zag.



## **19.3 Transform fault boundaries**



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The San Andreas Fault is the transform fault boundary between two lithospheric plates—the Pacific Plate and the North American Plate.

