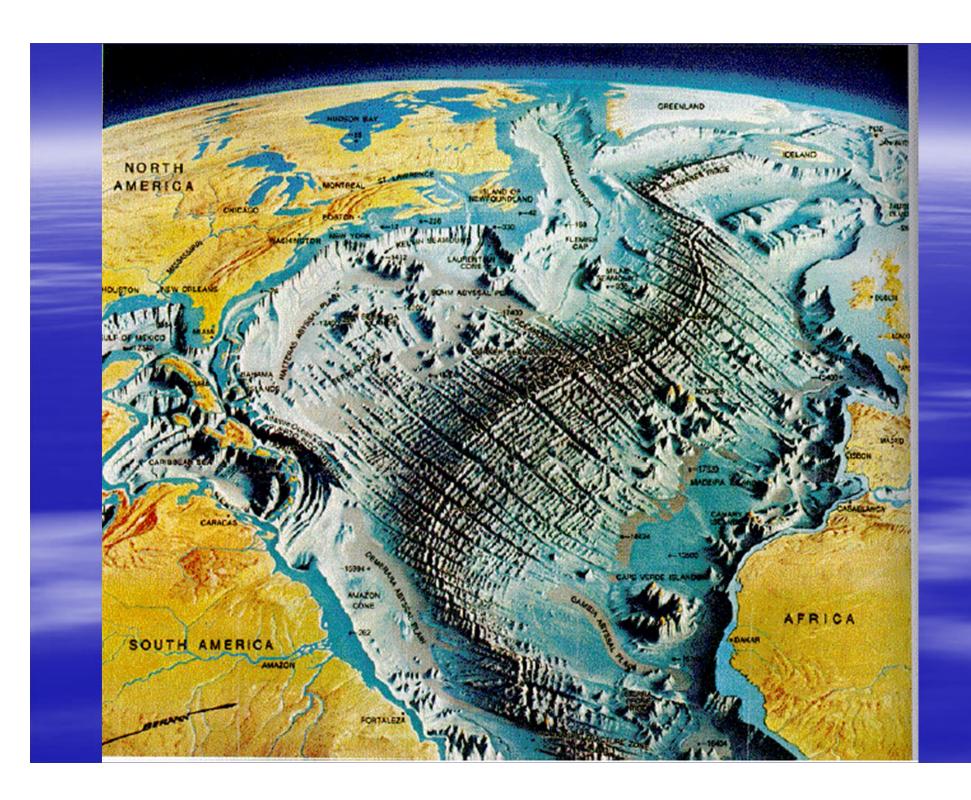
Three types of boundaries

- Divergent •
- Plates move apart and new lithosphere is created
 - Convergent •
- □Plates come together and one is recycled
 - Transform کسل های ترانسفورم
 - Plates slide horizontally past each other -





Transform plate boundaries

TRANSFORM-FAULT BOUNDARIES

Mid-Ocean Ridge Transform Fault

Spreading centers are offset by mid-ocean ridge transform faults, where the two oceanic plates slide horizontally past each other.

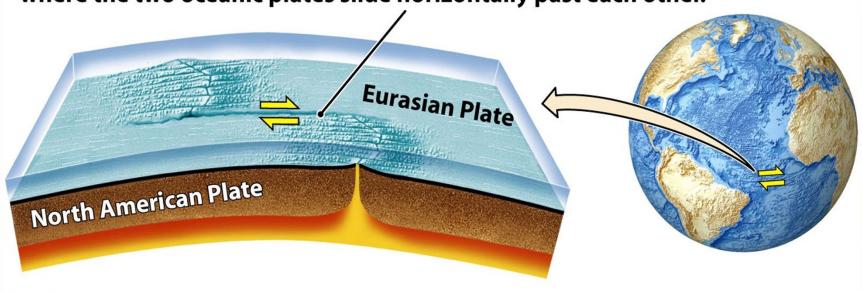


Figure 2-6f
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Transform plate boundaries

TRANSFORM-FAULT BOUNDARIES

Continental Transform Fault

The San Andreas fault in California, where the Pacific Plate slides past the North American Plate, is an example of a transform fault that offsets continental crust.

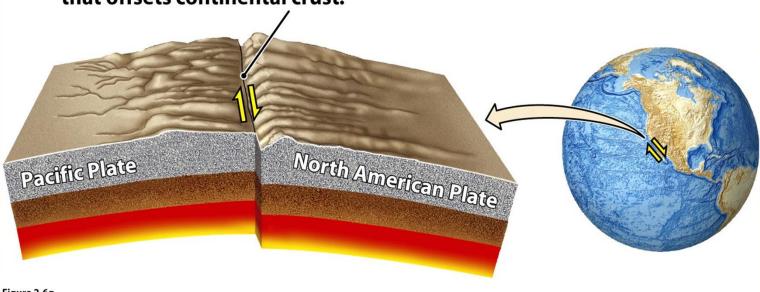
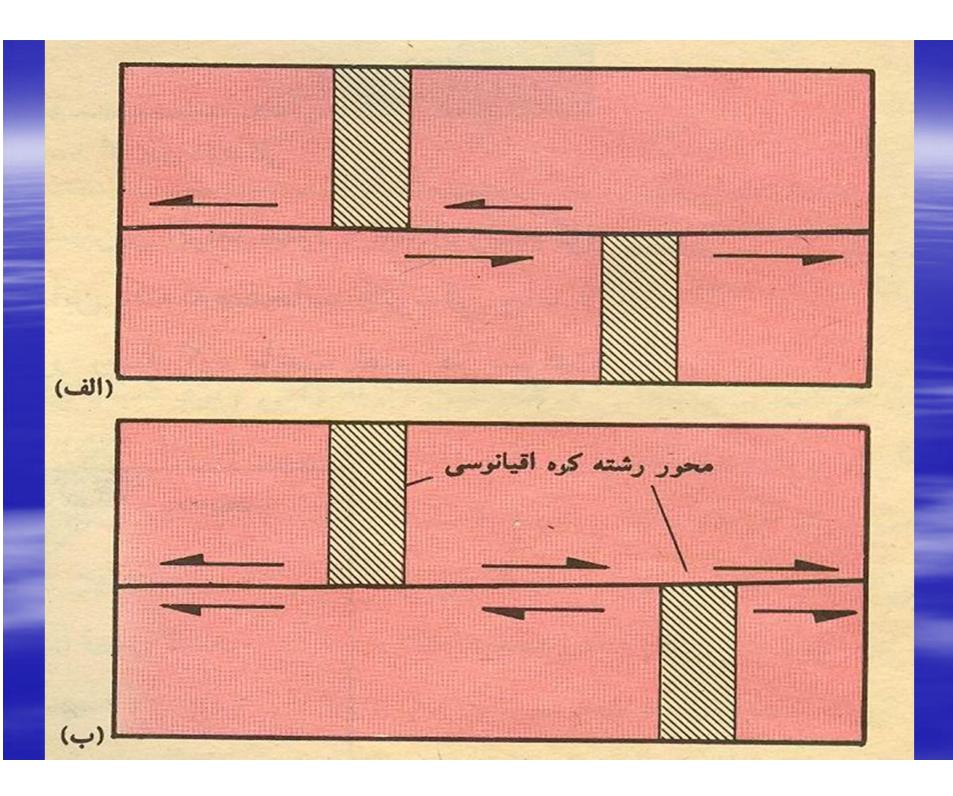
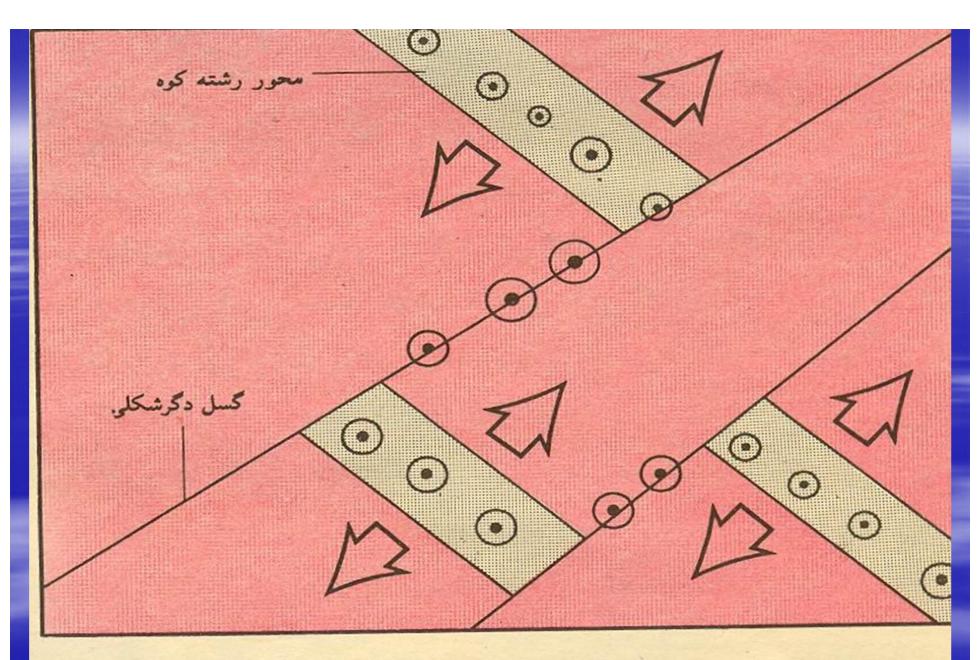


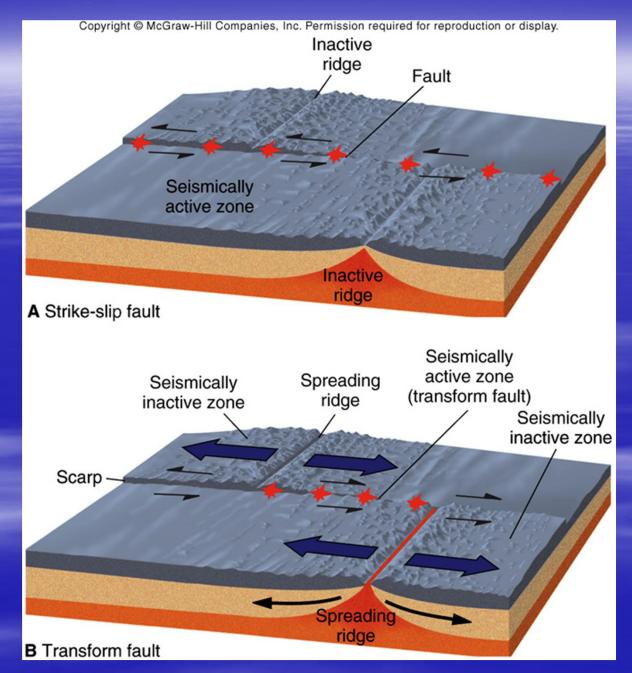
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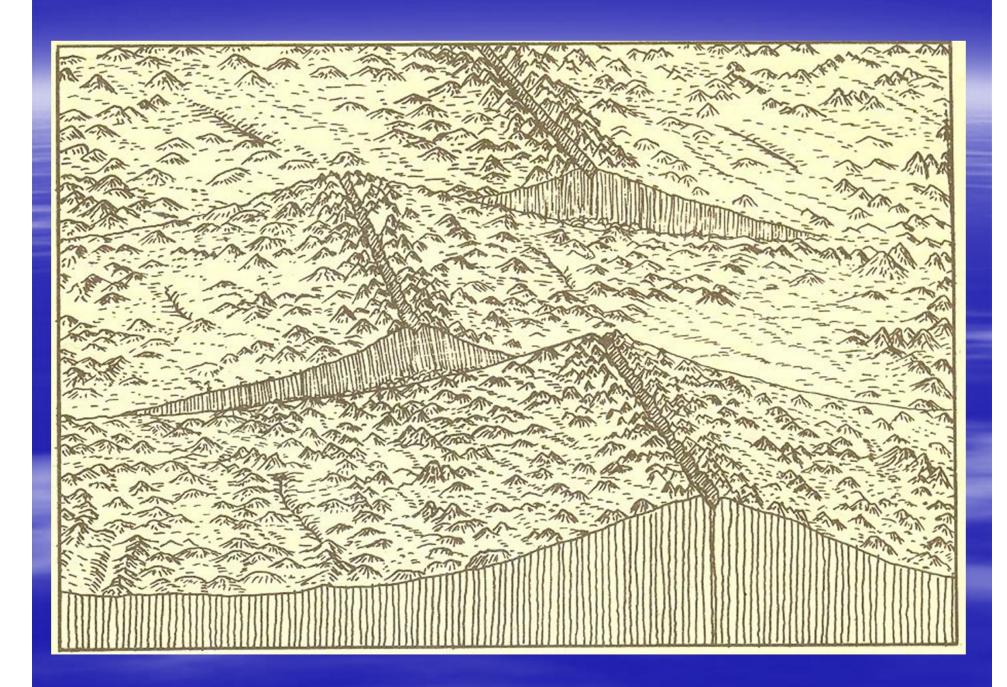


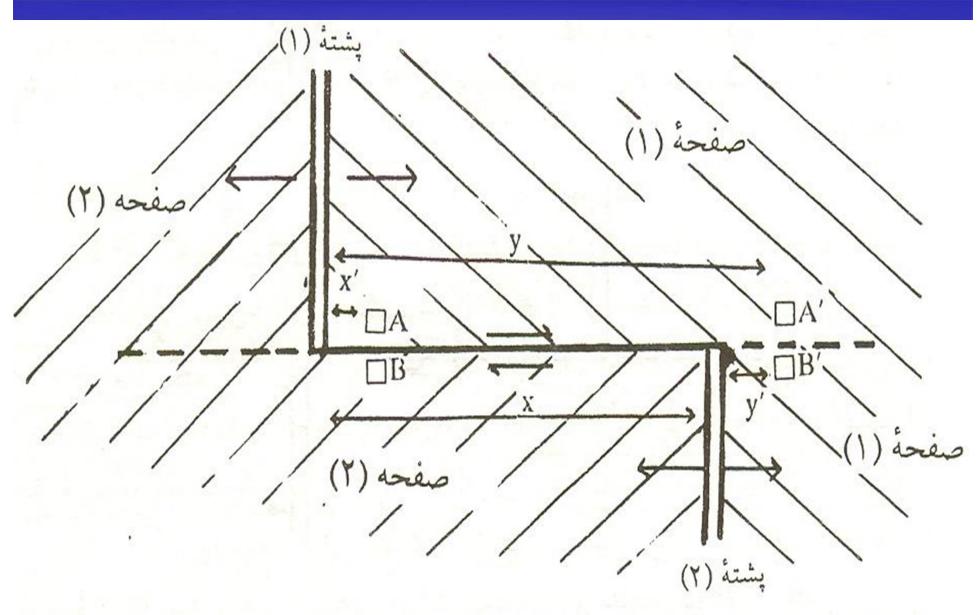


شکل ۵۴. نحوهٔ پخش زلزله ها در رشته کوههای میان اقیانوسی و گسلهای دگرشکلی (دایره های کوچك نمایشگر کانونهای زلزله اند)

Transforms. Fracture Zones

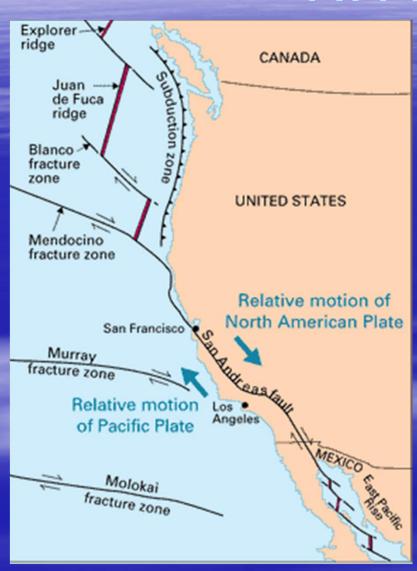






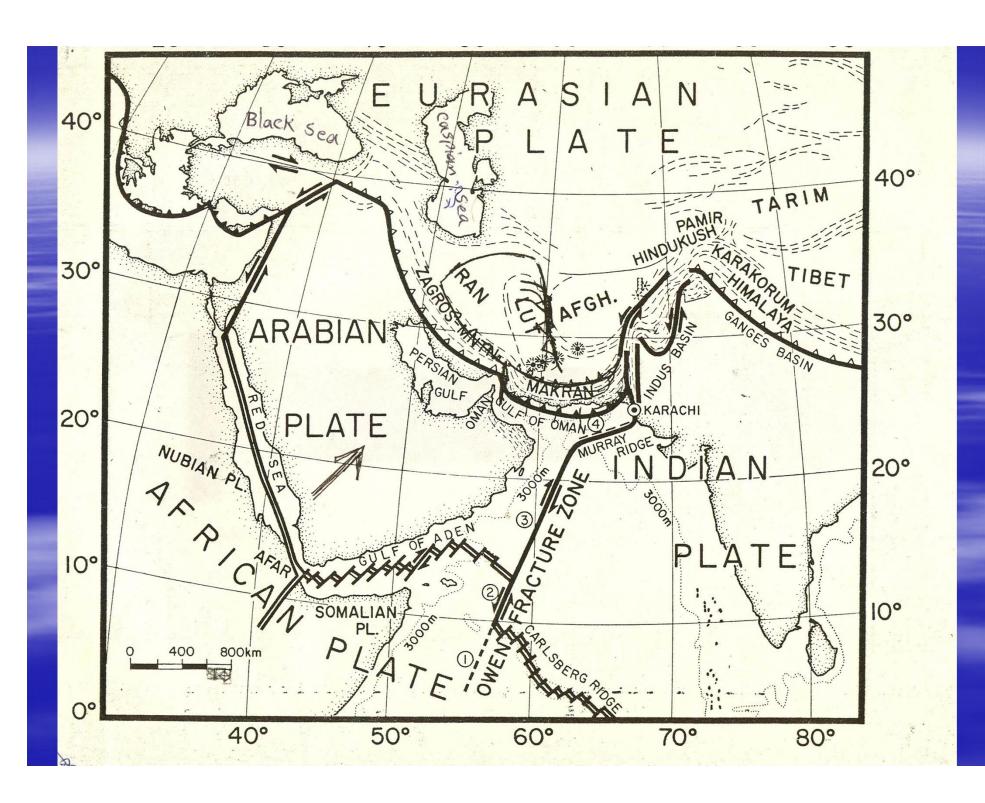
شکل ۴-۴. نمایش طرح گونه ارتباط سنی دو نقطه مجاور بر روی یک سیستم شکستگی.

Plate boundaries and western N. America



Juan de Fuca (JDF)
plate, Pacific plate
(PA), and North
American plate
(NA) all interact

Explains why you get volcanoes the Cascades and the types of earthquakes you have in California.



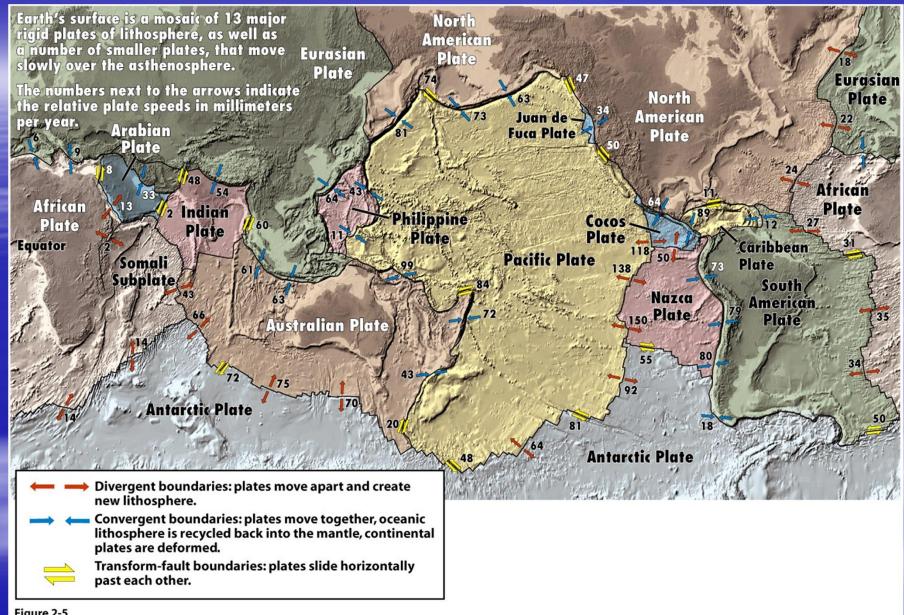


Figure 2-5
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