

Name: _____

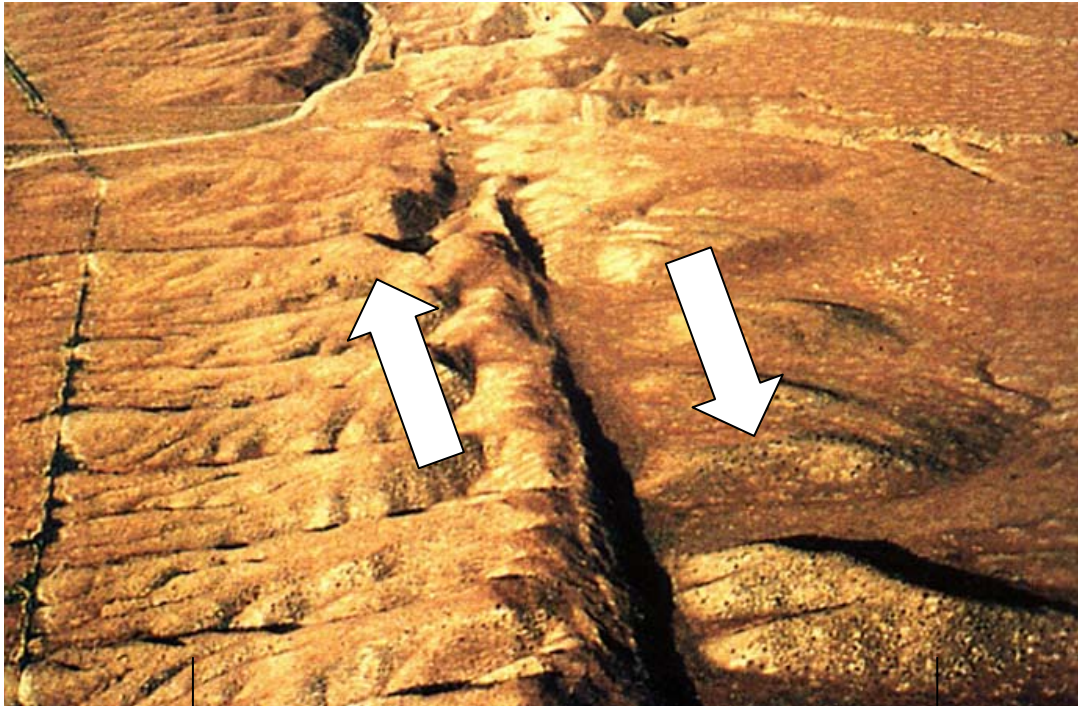
Klasse: _____

Dynamic Earth – California – Solution

1. Label the two plates which meet in the California area and draw arrows to show the direction of their movement.

West

East



Pacific Plate

North American Plate

2. Complete the text below by filling in the gaps with the following words:
(25 million, earthquakes, five centimeters, North American Plate, northwest, Pacific Plate, San Andreas Fault, San Francisco, transform fault, Vancouver)

The best known example of a strike-slip fault or a transform fault is the San Andreas Fault in California. There, the Pacific Plate is moving towards the northwest relative to the North American Plate at a rate of five centimeters per year. When the plates jam, stress builds up, causing severe earthquakes on sudden release. If this motion continues at a similar rate, San Francisco would be located at the same latitude as Vancouver in 25 million years.