

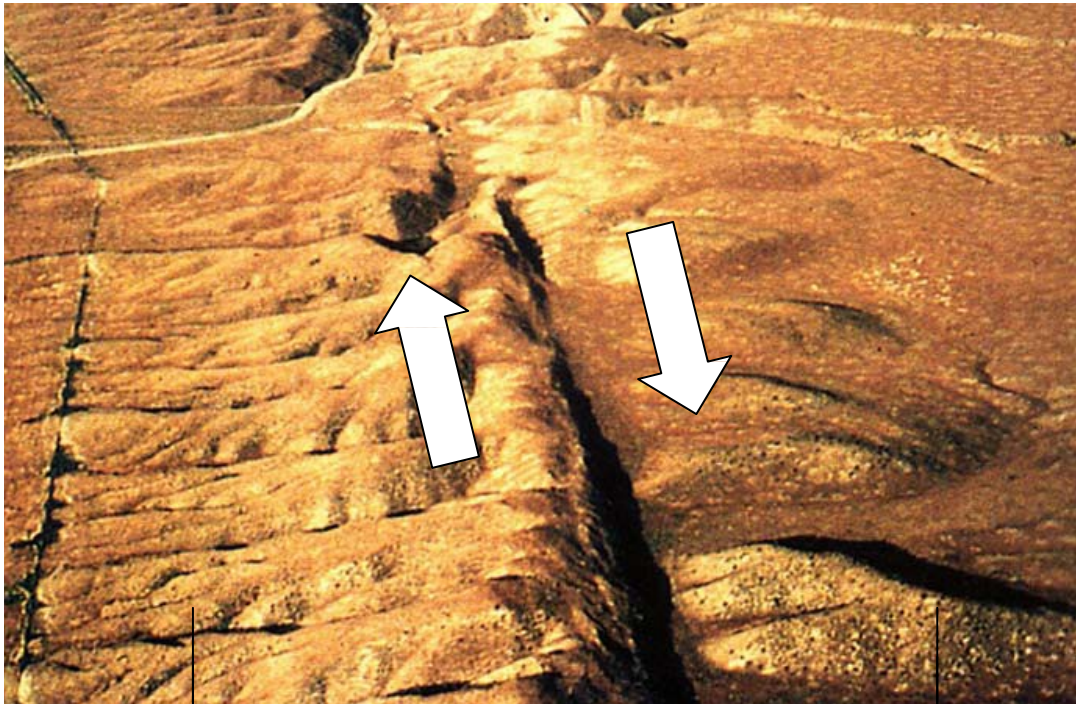
Name: Klasse:

California – Dynamic Earth – 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
is the **San Andreas Fault**

transform 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.