

Name _____

The San Andreas
Fault



Questions about An Inside Look at the San Andreas Fault

Fill in the bubble that best answers each question.

- Which of these is not a land feature of the San Andreas Fault?
 - sudden turns in streams
 - deep, still ponds
 - numerous purple wildflowers
 - high, narrow cliffs
- Why are some sections of the San Andreas Fault called "locked"?
 - Geologists cannot do research on locked sections because they are in deep wilderness.
 - Tourists cannot visit locked sections because no roads lead to them.
 - Locked sections of the San Andreas Fault have fences around them.
 - Locked sections of the fault do not move for a hundred or more years at a time.
- Which movement listed is not a movement that tectonic plates experience?
 - Plates collide.
 - Plate edges slide under one another.
 - Plates slide past each other.
 - Plates creep at the rate of one mile per year.
- What causes earthquakes?
 - the steady, even creeping of tectonic plates sliding past each other
 - locked sections of a fault moving suddenly and sending out vibrations
 - heavy rock avalanches that send out vibrations
 - unusually strong wave action in the world's major oceans
- How many earthquakes occur in California each year?
 - about five
 - no more than one hundred
 - thousands of major earthquakes
 - thousands of tiny earthquakes
- Why was the 1906 earthquake in Northern California more destructive than the 1857 earthquake in Southern California?
 - The 1906 earthquake burst water lines causing a major flood to follow the earthquake.
 - The Northern California earthquake occurred in an unpopulated area.
 - The Southern California earthquake occurred in an unpopulated area.
 - The 1857 earthquake did not last as long.

Part 2: Now, provide answers to the following questions. Use complete sentences!

1. What are some of the geologic features associated with the San Andreas Fault? Describe them!
 2. What are some of the man-made features that show evidence of being built along the San Andreas Fault? Describe why/how have they been affected by the fault zone.
 3. Why was the 1906 earthquake in northern California more destructive than the 1857 earthquake in southern California? BE specific.
 4. How was the San Andreas Fault discovered?
 5. How would your life be different if you lived along this unpredictable and dangerous fault zone?
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