

Strike-Slip Fault Worksheet

Part I. Creating a Strike-Slip Fault Observations and Sketches

Questions

1. Describe the first signs or types of deformation observed in step 6?

- 2. Explain what happened to these deformations as the strike-slip fault extended in steps 7 and 8.
- 3. How did the faults formed in step 10 vary from the faults created steps 6-8?
- 4. What factors contributed to the wet sand in the model breaking along a single line (fault plane)?
- 5. What event may occur when a strike-slip fault forms? Describe this process.
- 6. Why is it easier to predict where an earthquake will form rather than when it will occur?

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Part II. Strike-Slip Fault Types and Shearing Observations and Sketches

Type of Strike-Slip Fault _____

Questions

- 7. What force(s) acted on the large rocks in this activity? What effect did this force have on the rocks?
- 8. Describe how a river, road, and a building foundation might be affected by a strike-slip faults. Explain.
- 9. Using online resources or a textbook, give actual examples of a left-lateral and right lateral strike-strip fault, respectively.