

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?

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.