



Instructions: Answer the questions and follow the directions below.

1. Study the cross-sections on page 5 of *Rocks, Rails, and Trails*. Is there an obvious difference between normal faults (Basin and Range type) as compared to the thrust faults?

2. With a copy of cross-section map A and cross-section map B from page 5 of *Rocks, Rails, and Trails*. One at a time, cut them apart on the fault lines and see if you can move them back to the way they were before faulting took place. This is for fun, like a puzzle, and there isn't necessarily a right or wrong way to do it. Use the arrows to help you decide which way to move the pieces.

3. After doing the puzzle exercise, do you think that normal faults (Basin and Range type) extend or lengthen the crust or shorten it?