1. Cut out the strip on the dotted line. You are going to make a Mobius strip. Lightly shade one side with any light color, and leave the back white. To make the Mobius strip, we are going to give the strip a half-twist (shown in the picture below), and then connect the short ends of the strip using tape.

2. Take a dark marker that will show up on either side of your Mobius strip. Starting on the shaded side with your marker in the middle of the strip, trace a line down the center (lengthwise) until it connects back to itself. Write a few sentences about what happens when you do this. Does something surprising happen?

3. Using a scissors we are going to cut along the center line that we drew. Before you do this, write down a prediction for what will happen. Show your teacher your prediction and your uncut Mobius strip, and have her initial next to it. Then cut the Mobius strip and write down a few sentences about what actually happened. Was it what you expected?