

Directions for the Rock Cycle Mobius Strip with Rock Cycle posters

Randy Bechtel, NC Geological Survey, 11/9/09; Original design from Women in Mining, Arloa Woolford; Directions adapted from CSIRO: www.csiro.au/resources/moebius-strip-activity.html

What you need to do this activity you will need:

- 8.5 x11 Rock Cycle Mobius sheet
- scissors
- a pencil
- adhesive tape.

What to do as you rotate to each station using the Rock Cycle posters:

1. On the 8.5 x11 Rock Cycle Mobius sheet of paper fill out the 'Clues' and 'Examples' for each rock type (igneous, sedimentary and metamorphic) i.e. Sedimentary Rocks: Clues - fossils, pieces of sand; Examples – limestone, sandstone.

After you have filled out all of the 'Clues' and 'Examples':

2. Cut the paper into three long strips along the thick black lines. There should be a number at the top of each strip.
3. Tape the strips together, lengthwise, so that #2 is at the bottom of # 1, #3 at the bottom of # 2.
4. You should have 1 long strip with 'Sedimentary Rocks' at the top, 'Heat and Pressure' in the middle and 'Metamorphic Rocks' at the bottom.
5. Join the ends to make a hoop, but give the strip a half twist before you tape it together.
6. The hoop should then continue to 'Melt rocks into magma', 'Igneous Rocks', 'Rocks pushed up'.
7. You now have a never ending Rock Cycle Mobius Strip.

