**Materials:**

Play-doh Plastic knife Paper Pencil

**Procedures:**

1. Shape your own mountain out of the Play-doh. Make the mountain an interesting shape, rather than perfectly symmetrical.
2. Draw the side profile of your mountain in the box below.
3. Once finished, take the pencil and push two holes in the top of mountain all the way down to the bottom.
4. Then, use the pencil to make horizontal markings on the clay from top to bottom about one inch apart.
5. Cut the top most slice of the mountain along the horizontal markings you drew. Go slowly and carefully so as not to smoosh your mountain!
6. Put the first slice on your piece of paper, and trace around it. Then color where the two holes in the clay appear on the paper. Place the first slice aside.
7. Now cut your second slice and again trace on the paper. Be sure to line up the holes in the clay with the holes on the paper. Put the second slice aside.
8. Repeat with the rest of your slices.
9. Place read arrow on your map pointing to the steepest side of your mountain.

**Observation/Data:**

Draw the profile (side view) of your mountain Draw your contour map of your mountain

**Conclusion:**

1. Does the map look like your mountain? **Explain.**