

Playdoh Mountain Topography

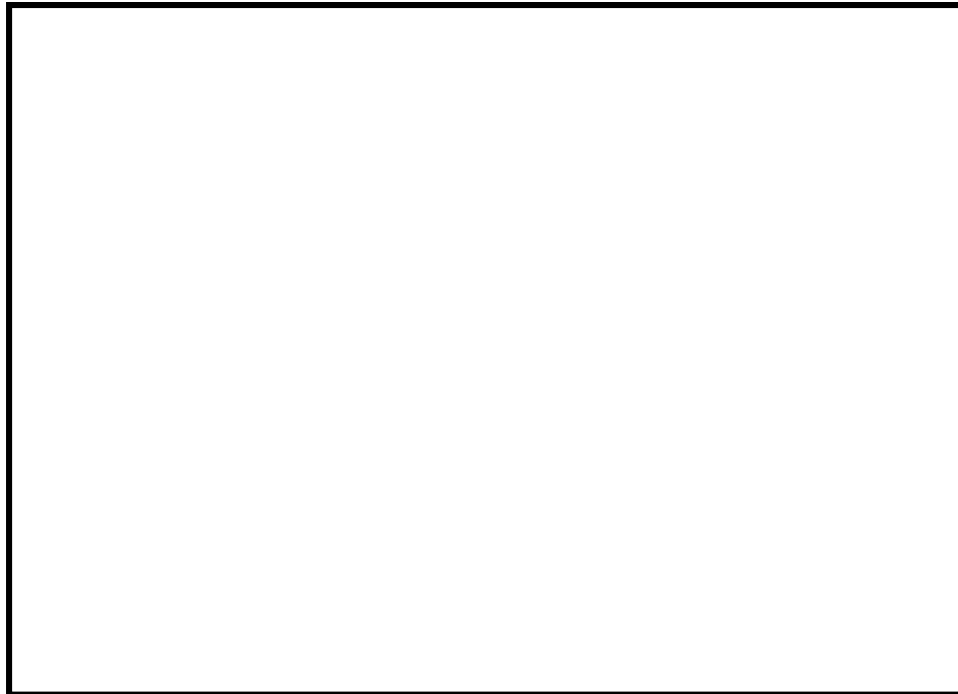
Pre-Lab

1. What is the elevation at sea level (in feet)?
2. What do contour lines that are close together signify about the slope of the terrain? What if the contour lines are farther apart?

Procedure:

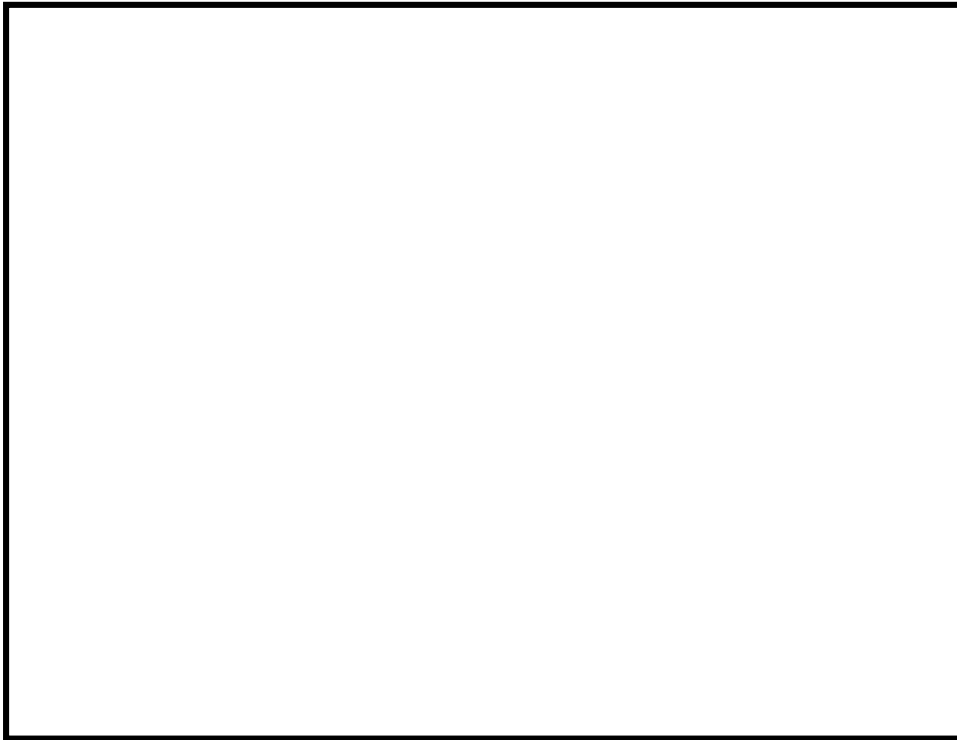
1. Build your own mountain using a container of Playdoh. Looking at it from table level (sea level), draw the side view of your mountain.

SIDE VIEW OF MOUNTAIN (PROFILE)



2. Using a ruler and pencil point, put small holes in your landform in a straight line at vertical 1 centimeter intervals from the base to the peak
3. Use a piece of thread to cut off the bottom 1 cm section. Place it in the rectangle and carefully trace around it. Continue cutting and tracing until you have mapped the entire mountain. Mark the peak of your mounting with an X.
4. Clean up your lab table and return all Playdoh to the containers and close the lids tightly.

TOPOGRAPHIC MAP



Post-Lab Questions:

What did the cuts you made represent?

To make a contour index line on your map what information or data would you need to know about your mountain?