

let's learn about **EROSION LAB**

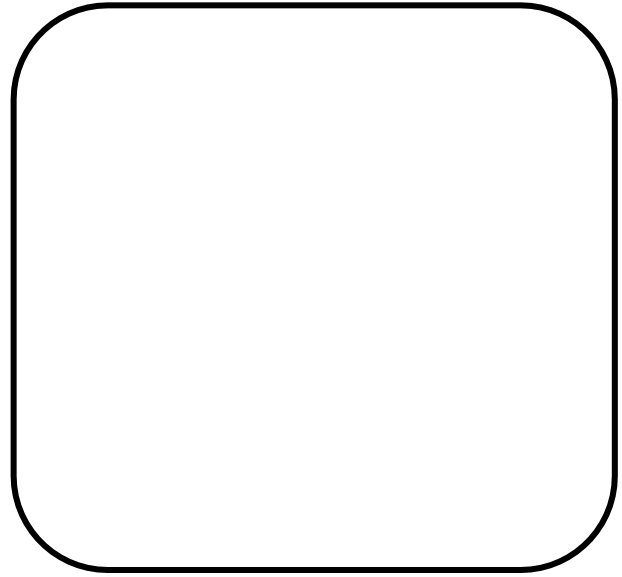
1. Pour some sand into a pan so that it makes a layer 2 to 3 inches deep. Smooth the sand and pat it down so that it is as even as possible on the top.
2. Examine the sand closely. What does it look like?
3. Using sand, create some landforms in the middle of the pan. Draw a picture and label what you see.



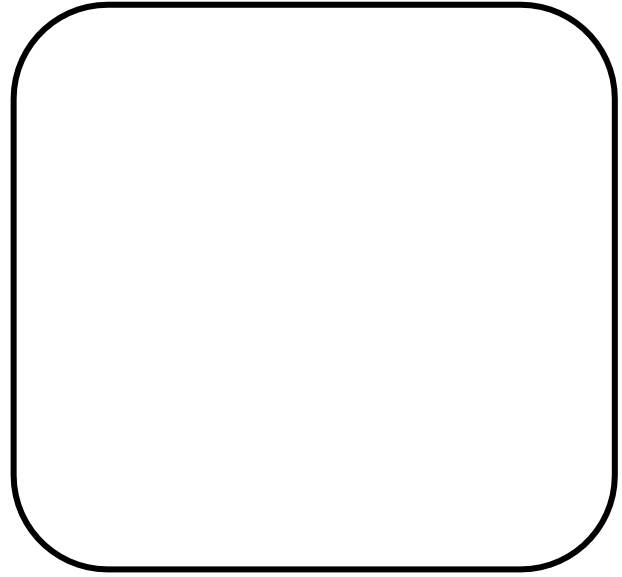
4. Slip 2 or 3 books under one end of the sand-filled pan so that it is propped up on one end.
5. Tape a ruler across the pan towards the top, leaving a few inches uncovered by the end.
6. Take a cup and poke a hole in the bottom. Sit it on top of the ruler so the hole is directly over the sand and tape it to the ruler.
7. Draw a picture and label what your pan looks like in its current state.



8. Fill the cup up with water and wait for all the water to drip into the tray. What do you think will happen? Explain and draw a picture.



9. After the all the water drips out of the cup, what do you observe? Explain and draw a picture.



10. What might happen next time if you were to dump a whole cup of water all at once instead of letting it drip slowly?

let's learn about **ROCK SANDWICH**

MATERIALS

penny
nail
pen cap
2 slices of white bread

1 slice of wheat bread
wax paper
ruler
heavy book

PROCEDURE

1. Lay a sheet of wax paper on your desk. Place a piece of white bread on top of the wax paper. Then, put a piece of wheat bread on top of the white bread.
2. On top of the wheat bread, place a penny, nail, and pen cap.
3. Stack one more piece of white bread on top of the objects.
4. Use the ruler to measure the height of the stack. Record your answer on your record sheet.

Lay another sheet of wax paper on top of the bread. Place the book on top of the stack and press down.
6. Take off the top sheet of wax paper and use the ruler to measure the stack of bread.
7. Use your record sheet to make observations.

let's learn about ROCK SANDWICH

RECORD SHEET

Height of the bread before pressing on it _____ cm.

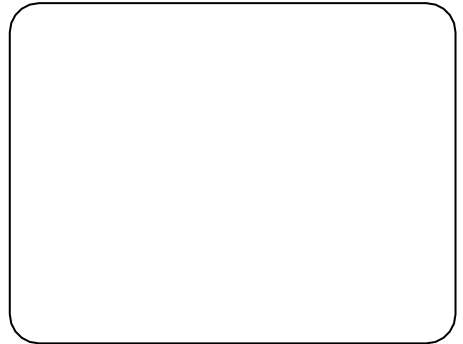
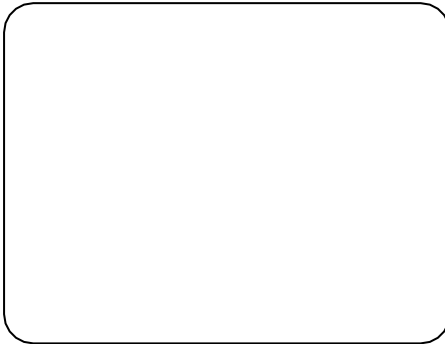
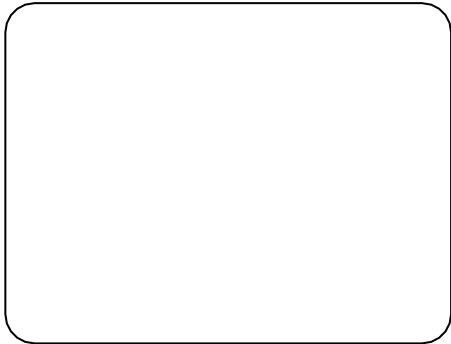
Height of the bread after pressing on it _____ cm.

Sketch pictures of the bread and record your observations

Before pressing on it

After pressing on it

With the top slice removed



What type of rock does this model represent? _____

How do you know? _____

What do the objects on the wheat bread represent? _____