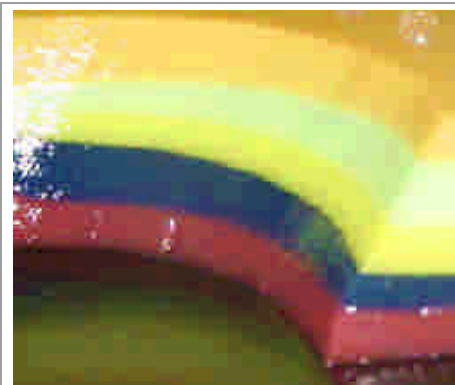




Let's Make a Replica of Soil Layer



• Observe how to make the layer of soil using a model

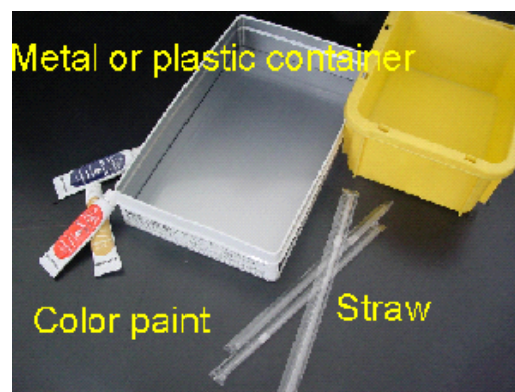


Point

Layer of Agar

Materials

Agar
Color paint
Kitchen range
Transparent Drinking Straw
Small pan
Metal or plastic container (Depth: 5 cm)
Cutter
Spoon



Method

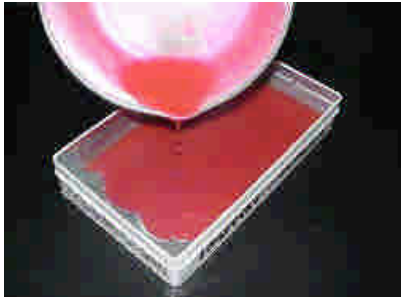
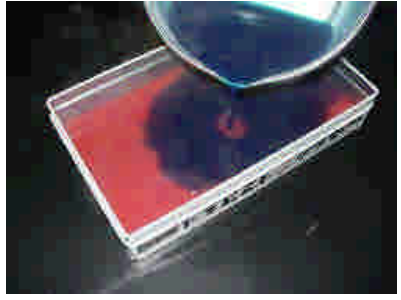

Making layers

1 Mix the water (250ml) and colored paint..





2 Put Agar (2 g) and colored water in the pan and heat the mixture.



3	<p>Pour the mixture in the container.</p>	
4	<p>Using the same procedure, change the color and make another layer 2~3 times</p>	
5	<p>Change the inclination of the container when adding the fourth layer.</p>	

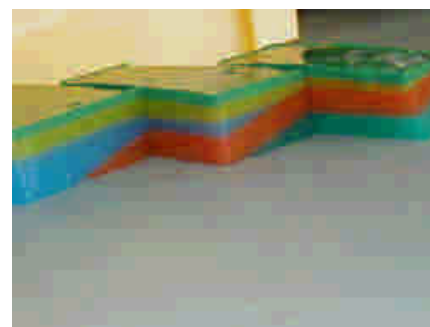
Observe the layer

1	<p>After all harden, insert straw in the Agar and cover the top of the straw with your finger and pull it off.</p>	
2	<p>Put the straw in order and expect how to make layer.</p>	

3 Cut it using spoon or cutter and observe the layer.



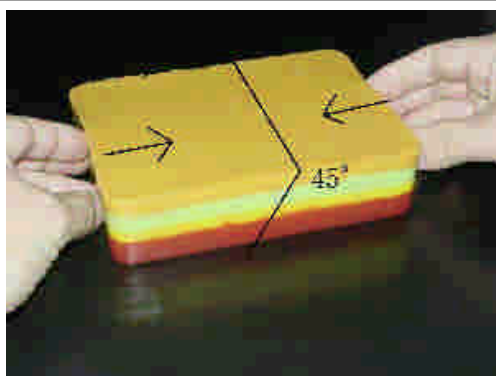
This layer is made by changing the inclination of the container.



Progress

As shown in the picture, cut it by 45° and press from both side so you can see the model of a reverse fault. Furthermore, cut it 90° and press from top and bottom opposite direction, so you can see the lateral fault.

If you put fossil (Ex. shell) in it, you can search it from the layer.



Information

Observe the change in each layer

💎 Layer is made by accumulating lay of mud, sand, small stone and ash lay. Upper layer is new. The layer accumulates horizontally. The leaning layer or bent layer or severed layer is the evidence that it happens after accumulation

💎 You can make the layer by melting the Agar at one time and color them.

💎 When you insert the straw in the Agar, you better put the sponge in the surface to pull it off easily as shown in the photo..





In Tokyo Oshima



In Tomakomai city Takaoka

[See another picture](#)

[Let's search the layer around your life](#)