



Let's Make Mt. Fuji



Let's verify how Mt. Fuji was made using a model.

Point

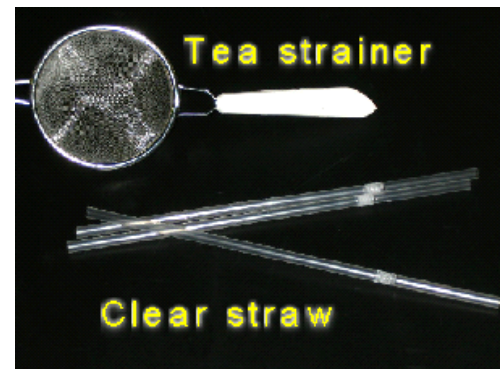
Volcano formed from overlapping of lava and ashes again and again.



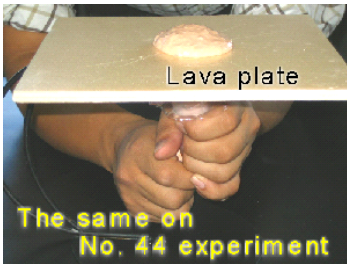
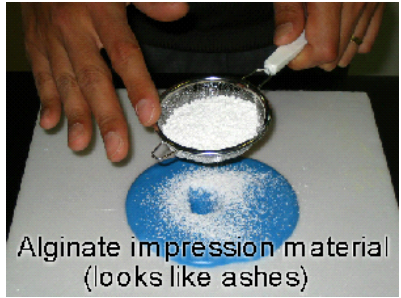
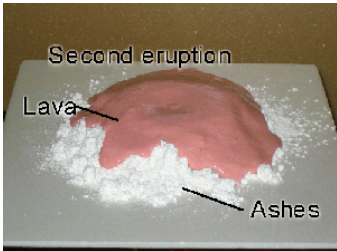

Materials




- Cardboard or polystyrene foam (25cm × 25cm)
 - 8 pcs Plastic bag (24cm × 18cm, × 2)
 - Tripod • Tea strainer • Clear straw
 - Agent alginate impression material (25g × 3, 35g × 5)
 - Water (90ml × 3, 120ml × 5)
 - Colored paint • Cutter • Film case (Cut the bottom)
- * Make a hole in cardboard or foam polystyrene's center (3cm in diameter)

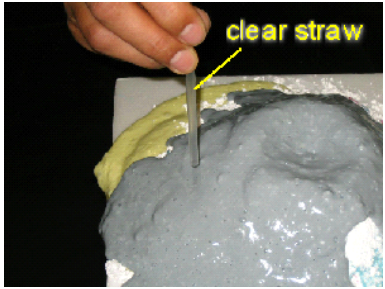
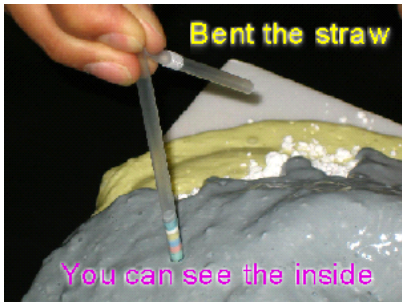
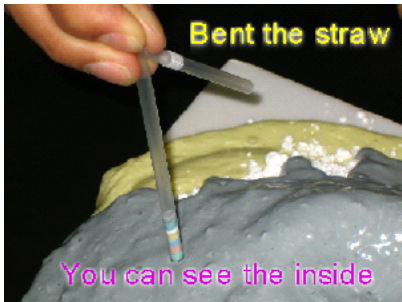

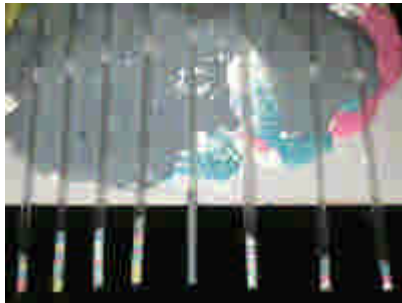


***Experiment • Make the volcano grow ***


<p>1</p>	<p>Refer to Experiment No. 44 (method 1-6) in making lava plateau. TanchouSensei Experiment No. 44 (click here)</p>		
<p>2</p>	<p>After lava is hardened, put dental alginate impression material (10g) in a tea strainer. Then shake it above the lava so the alginate material will spread on the lava.</p>		
<p>3</p>	<p>Repeat procedure 1 and 2, this time change the color of the paint.</p>		
<p>4</p>	<p>Change the amount of water (120g) and dental alginate impression material (35g) and repeat 1 and 2 process 3~5times. Then, lava and ashes layer will be created.</p>		

Attention	When the crater has been buried, push it up using the film case.	
Observe how a growing volcano erupted.		

***Experiment • Observe the inside of volcano by boring ***

1	Bore a clear straw straight into the volcano.		
2	Bent the upper part of straw and pull it.		
3	Repeat the boring, and imagine the inside of the volcano.		

***Experiment • Look at the cross section of volcano ***

1	Cut the volcano into half so you could see its cross section.	
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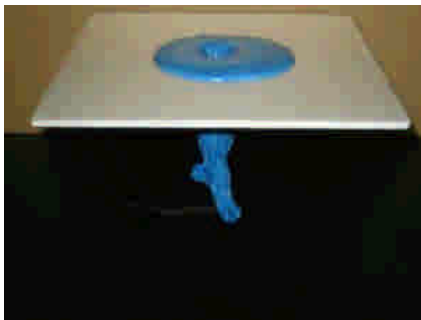
Progress

Can you guess what will happen if we change the amount of water and dental alginate impression material? Imagine how the volcano around us was created.

 Information

◆ The volcano with a shape like a Mt. FUJI & Mt. YOTEI is called Stratovolcano.

◆ Mt. FUJI and Mt. Yotei was formed by many times of eruption.



1st eruption



2nd eruption



3rd eruption



4th eruption



5th eruption



6th eruption



7th eruption



8th eruption

