new

Vol. 4



Let's Make a Lava



Make a model of lava



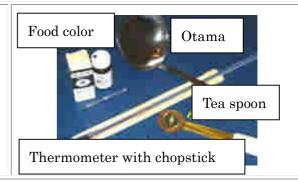
Black brittle



Materials

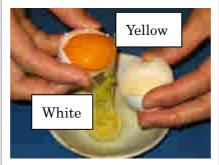


- Otama
- ·High purity crystallized sugar ·White sugar
- •Egg •Bicarbonate of soda
- Water Disposable chopstick Cup
- Measuring spoon Gas
- Black food color
- Thermometer



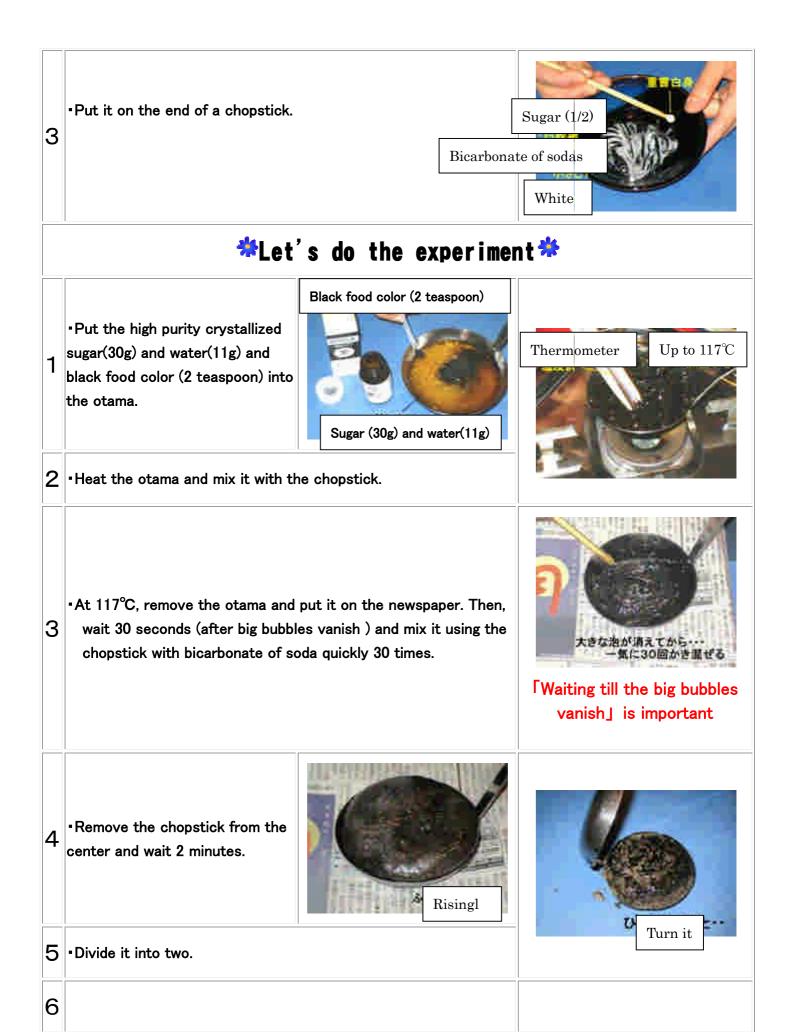
Make a bicarbonate of soda *

Separate the yellow from the white.



•Mix bicarbonate of soda (a teaspoon) and sugar(1/2 teaspoon) about 2 minutes to become like a sherbet.





*****Compare the lava*

•Compare it with real lava







Blittle lava



- Brittle has many holes because carbon dioxide expand into melting sugar by heating the bicarbonate of soda.
- When magma is under the ground, water vapor or gases are enclosed,

but when magma goes up to the ground, the pressure becomes smaller and water vapor and gas swell, so the lava gets many holes.

- There are differences between carbon dioxide and water vapor, but the way of making bubbles is very similar.
- At the souvenir shop, you can buy lava sweets.
- You can buy the black food color in the food additives corner.



<u>たんちょう先生トップページに戻る</u>

