

LEMON VOLCANOS

MATERIALS

- LEMON
- BAKING SODA
- FOOD COLORING
- DISH SOAP (OPTIONAL)
- TRAY TO CATCH SPILLS
- KNIFE (+ADULT HELP)
- SPOON



INSTRUCTIONS

1. HAVE AN ADULT CUT THE LEMON IN THICK SLICES AND PLACE THEM ON THE TRAY.
2. ADD A FEW DROPS OF FOOD COLORING TO THE LEMON SLICES.
3. YOU CAN ALSO ADD A SQUIRT OF DISH SOAP ON TOP OF THE FOOD COLORING TO MAKE THE ERUPTION MORE BUBBLY.
4. SPOON SOME BAKING SODA ONTO THE CUT SURFACE OF THE LEMON.
5. WATCH CLOSELY AS THE BAKING SODA REACTS WITH THE CITRIC ACID IN THE LEMON. YOU SHOULD SEE BUBBLES AND FOAM START TO FORM, CREATING A MINI VOLCANO!
6. PUSH DOWN ON THE LEMON SLICES WITH A SPOON TO RELEASE MORE LEMON JUICE TO MAKE MORE BUBBLES.

EXPLANATION

WHEN CITRIC ACID FROM THE LEMON AND BAKING SODA MIX TOGETHER, THEY MAKE CARBON DIOXIDE GAS, WHICH CAUSES THE FIZZING AND BUBBLING. SOAP ISN'T NEEDED TO MAKE CARBON DIOXIDE GAS BUT IT MAKES THE LEMON VOLCANOS EXTRA BUBBLY.