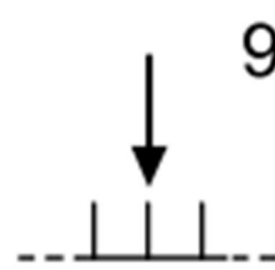


Thursday



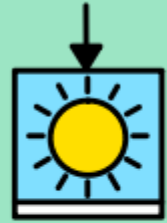
July



9th



Science



Today



we



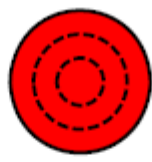
are Getting Fizzy!



Fizzics experiment



Equipment



large



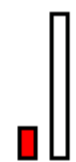
balloon



small



funnel



short



string



Bottle



of

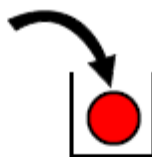
very



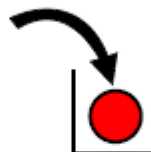
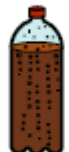
fizzy drink



Put the funnel into the balloon.



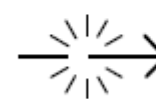
Pour fizzy drink into the balloon.



Quickly tie the balloon.



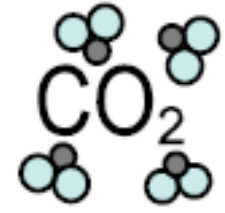
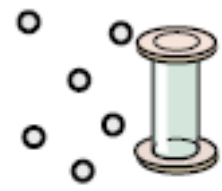
Shake the balloon to make the drink fizz.



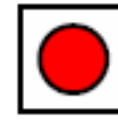
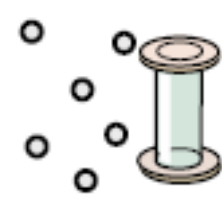
What happens?



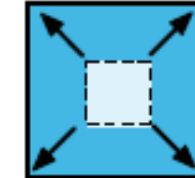
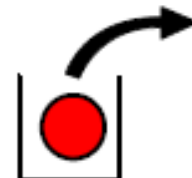
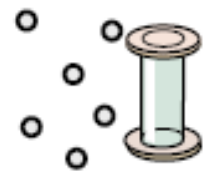
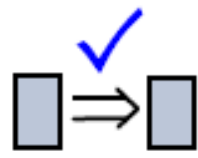
Explanation



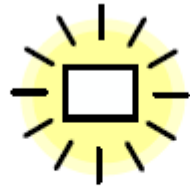
the gas in fizzy drinks is carbon dioxide.



The gas dissolves in the liquid.



Shaking causes the gas to fizz out and expand the balloon.



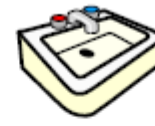
Think of new experiments



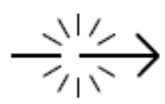
Try fizzy water.



Does fizzy water work as well.




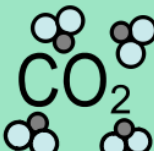

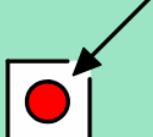
Try putting the balloon in a sink of warm water.







What happens.





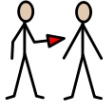
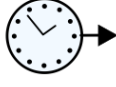

Make sure you watch John's 'Fizzics' Experiment on the school website!




 More  carbon dioxide  making  in:



 Lemon  Volcanoes!



 Watch the video  on the school


 website  for a demonstration!

 You  will  need:

 Lemons  Knife  Cutting board






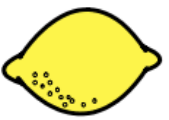
 Lolly sticks  Food colouring



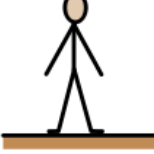


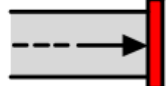
 Washing up liquid  Bicarbonate of Soda

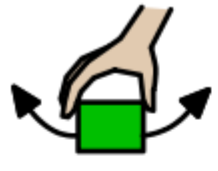


 Large dish  (to catch  all the eruption mess)







Safety first!
We are working with an acid. Use your best judgement on the capabilities of your children. Use gloves, safety goggles, aprons as needed, and always ensure kids do these experiments under responsible adult supervision.

1  Roll the lemons  on a table  pressing with the palms of  your hands. This releases  all the juice from inside the lemons. 

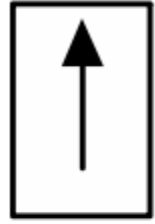
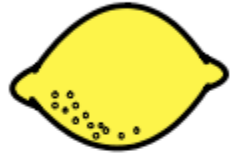
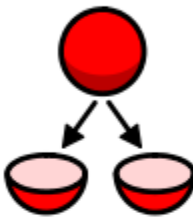
2  Carefully  cut the lemons in half. They need to stand  upright so you may need to cut a slice off the ends.   

3  Use a  lolly stick to  press down on the



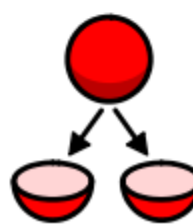
 inside of the  lemons -  called the flesh of the  lemon.

This is to  get even  more  juice  out.

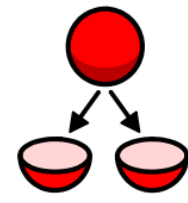
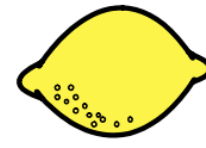
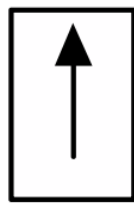
4  Add a few  drops of  food colouring to

 the tops of the  lemon  halves.

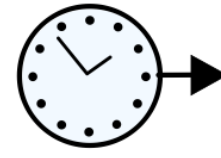
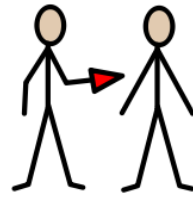
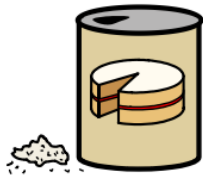
5  Next  add a  squirt of  washing up liquid

 to the tops of the  lemon  halves.

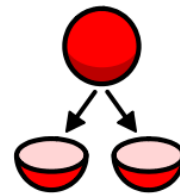
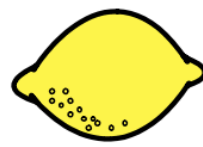
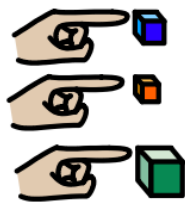
6



6. Now sprinkle the tops of the lemon halves

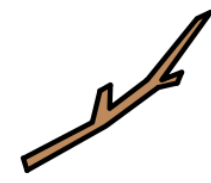
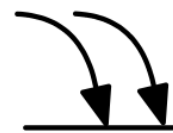
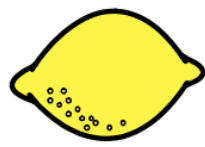
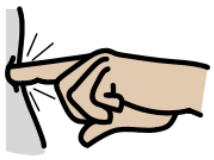


with bicarbonate of soda. You will need about

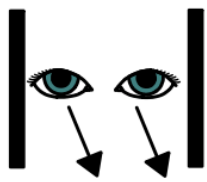


a tablespoon for each lemon half.

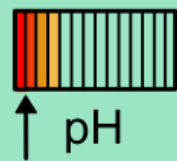
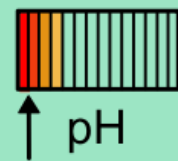
7



7. Poke the lemons again with the lolly stick.



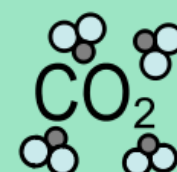
And watch the colourful eruptions!



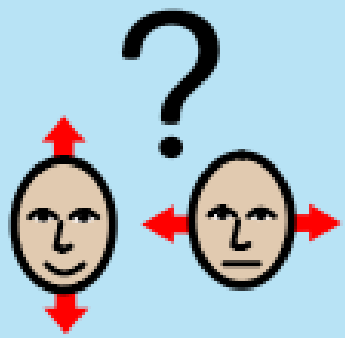
Explanation: The lemon juice is an acid called citric acid.



It reacts with the bicarbonate of soda to make bubbles. The



bubbles are a gas called..... that's right! Carbon dioxide

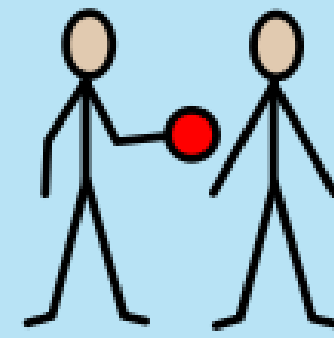


Maybe

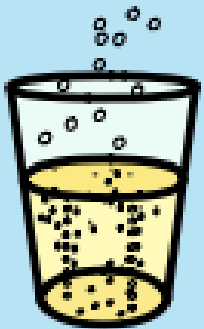


take a video

of



your

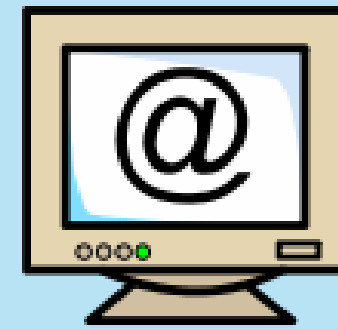


Fizzy

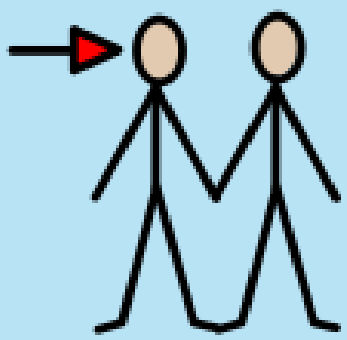


Experiments

and



send



them



to

school

on

