#### HELLO BARNETT!

## DANCING RICE EXPERIMENT



KEEP CALM AND LOVE BARNETT

## WHAT DO WE NEED?

- ► Water
- Vinegar
- Food colouring [whatever colour you want]
- Baking soda
- > Brown rice









essential Waitrose® natural blue food colour

## METHOD

- > Pour one cup of water into your clear container.
- >Add 1 teaspoon of baking soda to the water and stir. When you've done that, stir it for 10 seconds.
- Sprinkle some rice into the mixture. Then, add vinegar 1 tablespoon of vinegar to the water.
- > After that, add food colouring.
- > Observe what happens over the next few minutes.



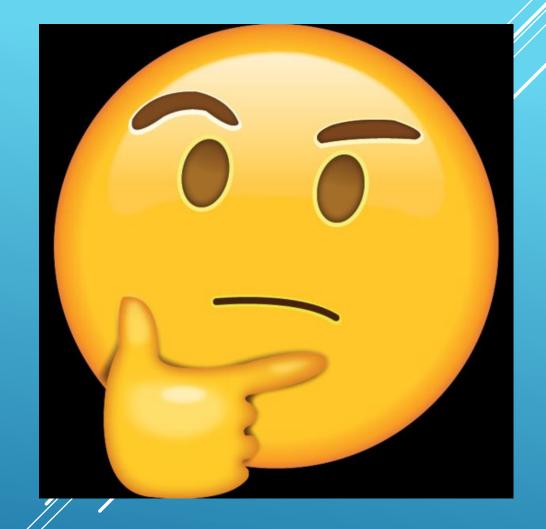
#### What is a prediction?

#### I predict that... because...

### RESULTS

- What happened...
- When I added the baking soda and vinegar together, the rice started dancing.

https://www.bing.com/videos/search?q=rice+danci ng+in+bicarbonate+soda+experiment&&view=detail &mid=D18748405CCF9D1EEC22D18748405CCF9D1EE C22&&FORM=VRDGAR



## CONCLUSION



The rice sinks to the bottom because it is denser than the water. The vinegar reacts with the baking soda in the water creating bubbles of carbon dioxide.

Eventually the rice will begin to "dance".

# As bubbles of carbon dioxide adhere to the rice, the rice is brought up to the surface.

Once it reaches the surface, the gas is released and the rice falls back down again.

## THANK YOU FOR LISTENING

Now let's have a look at the science webpage...

https://www.gardensuburbjunior.co.uk/page/?title=S cience&pid=330



