

CHALLENGE 16

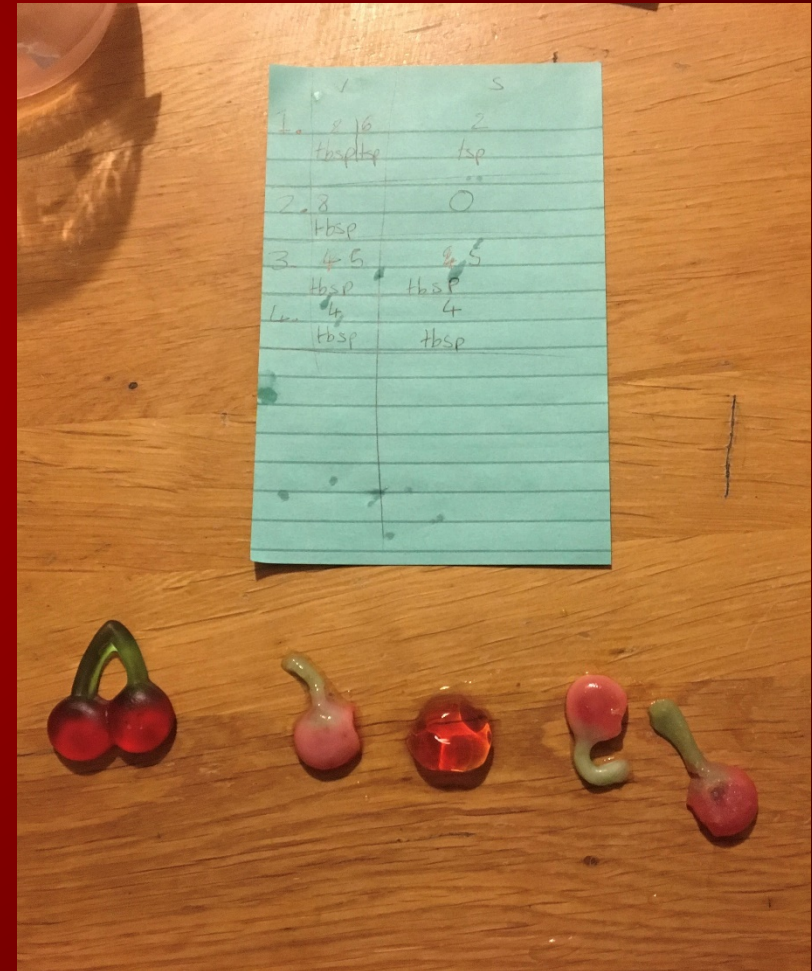
By Emily Thompson

INGREDIENTS

- 2 cherry Haribo sweets cut in half
- 4 glasses
- White vinegar
- Salt
- Measuring spoons

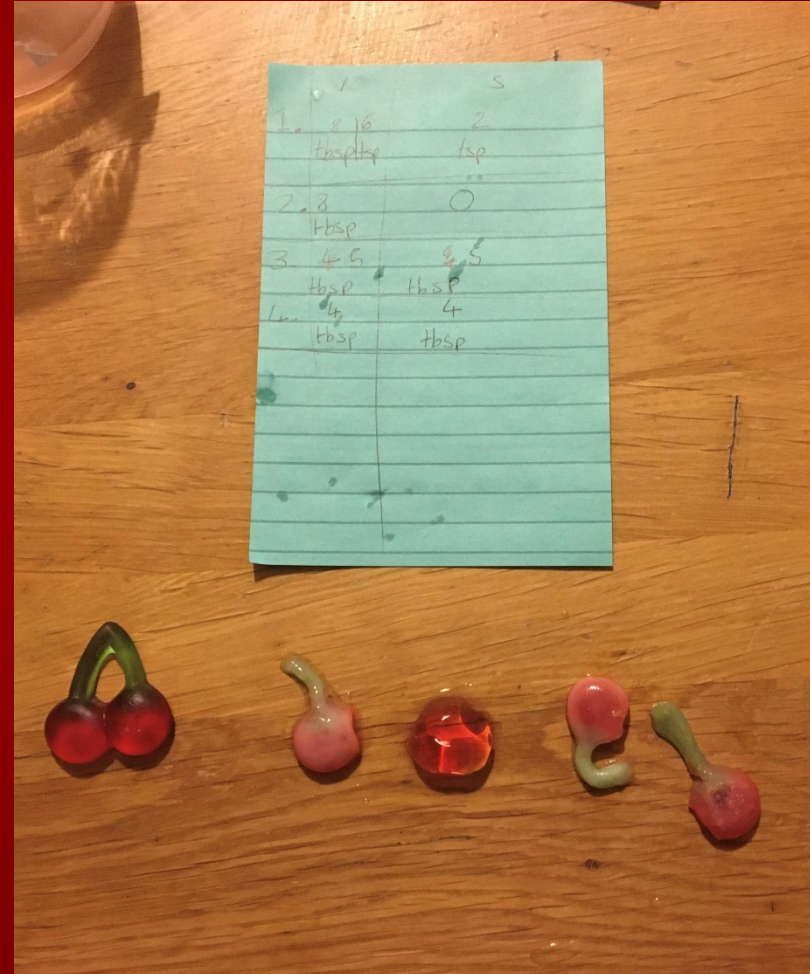
THE RESULTS

The 1st one on the left is a normal Haribo. The 2nd is 2 tbsp and 6sp of vinegar and 2tsp of salt. The 3rd is 8tbsp of vinegar. The 4th is 5tbsp of vinegar and 5tbsp of salt and finally, the 5th is 4tbsp and 4tbsp.



WHY?

- The salt particles are an alkali and they have a smaller amount of particles than the Haribo, due to osmosis* the water moves toward the high concentrated** area but since the liquid is stuck in the Haribo it can't move.
- The vinegar is an acid and the acid starts to break down the gelatin this allows some of the liquid molecules to enter. This also means that when the liquid holds so salt particles it dilutes the Haribo making them not transparent*** but when there is no salt it still is transparent.



IMPROVEMENTS

- I think next time I could make the measurements fairier, changing the measurements using a ratio, instead of just making up random measurements.

DICTIONARY

- * Means that a particle travels from a high concentrated area to a low concentrated area, the opposite of diffusion.
- ** proportion
- *** To be see through.