

Make a fake fizzy cola drink

You will need:

- A jug
- 1 teaspoon
- 1.25L soda water or a 375mL can of soda water
- Red and green food colouring (represents colouring agent)
- Vanilla essence (represents flavouring agent)
- White vinegar (represents acid content/preservative)
- Instant coffee (represents caffeine content)
- White sugar (sweetness)
- Plastic gloves

Steps:

1. Put on your plastic gloves and pour ~375mL of soda water into the jug.
2. Add half a teaspoon of red food dye and half a teaspoon of green food dye (colouring agent).
3. Add one teaspoon of vanilla essence (flavouring agent).
4. Add one teaspoon of white vinegar (acid content, preservative).
5. Add one teaspoon of instant coffee (caffeine).
6. Add nine teaspoons of white sugar and stir (sweetness).

Discussion: Does the amount of sugar in a glass of cola surprise you?

Remember, water is the best drink for our teeth, bodies and brains. Children need to drink around 6-8 cups of water per day!

Have fun with this experiment but please do not drink what you have created.

If thirsty, have a big glass of tap water.

