

OJ Challenge protocol

This is an experiment exploring your sensory reactions to different samples of orange juice. You will present your test subject with two samples of orange juice and ask them to rate how they taste. Prepare the samples beforehand and get a bunch of your friends to do a taste test and fill out the answer sheet we've provided.

You'll need:

A bunch of friends/willing participants/guinea pigs

40ml of orange juice per person

2 identical clear containers per person

Red and green food dye

An answer sheet for each participant

Preparation:

Orange juice samples are in three types

- Control– leave the orange juice as normal
- GJ – add a few drops of green food colouring to the orange juice, to make a subtle change to the colour
- RJ – add a few drops of red food colouring to the orange juice, to make a subtle change to the colour

Now divide your participants into test groups – 1-3, so that there is one of each for each of your participants. You can number the groups 1-3 in any order, and write down which is which, but don't tell your participants what you've done to the groups. Here's what we used:

1 – control (A) vs GJ (B)

2 – GJ (A) vs RJ (B)

3 – RJ (A) vs control (B)

Get your friends together, and get them to take 2 samples from one of the groups and taste one of and fill out the form.

Ideally, you should have each person doing only one of the tests, but if you like, the same person can do more than one – you'll just need to make sure you have enough juice!

Test group 1

Question	A	B
Which was your favourite?		
Which was more sweet?		
Which was more sour?		

Test group 2

Question	A	B
Which was your favourite?		
Which was more sweet?		
Which was more sour?		

Test group 3

Question	A	B
Which was your favourite?		
Which was more sweet?		
Which was more sour?		