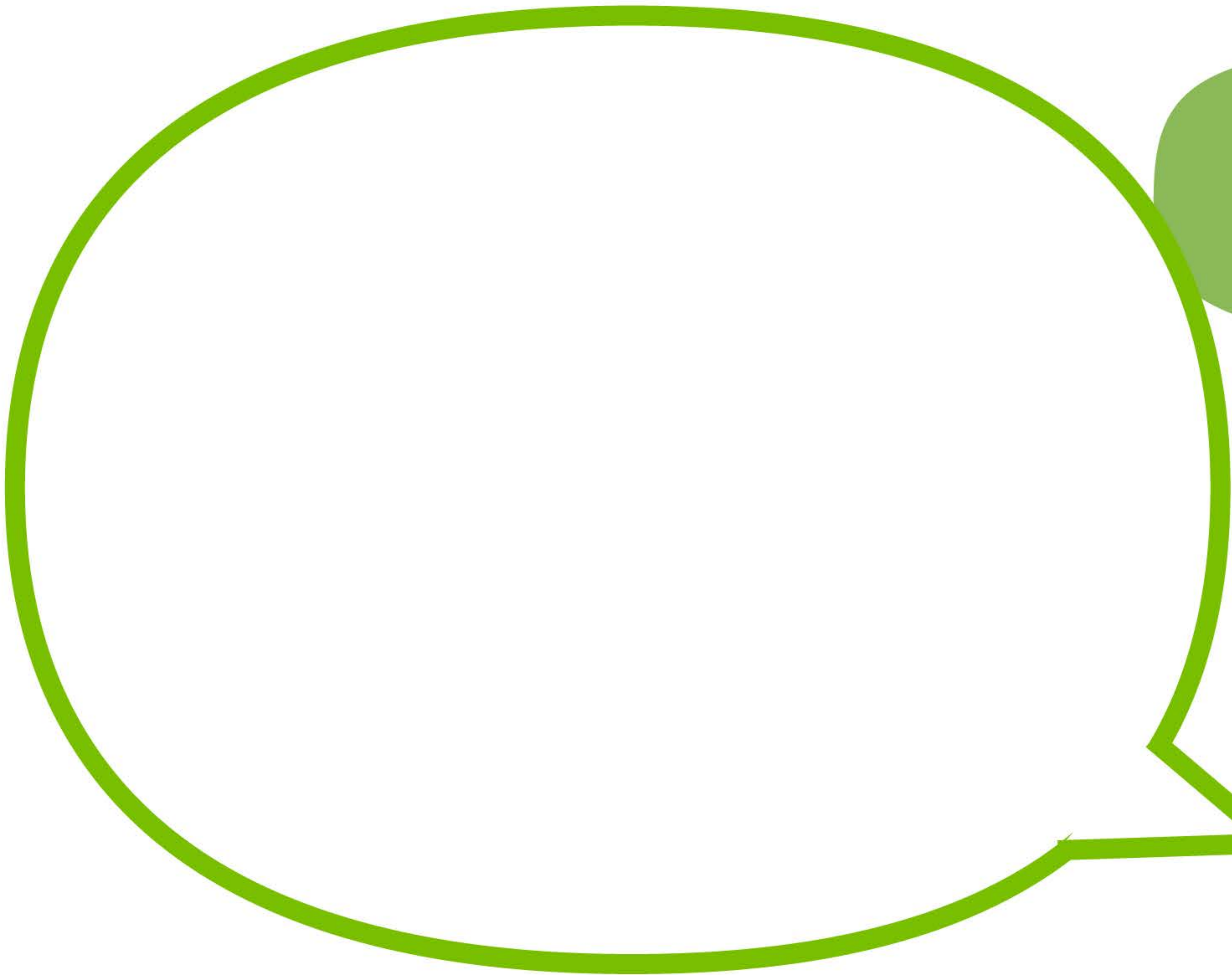


LET'S PLAN OUR EXPERIMENT

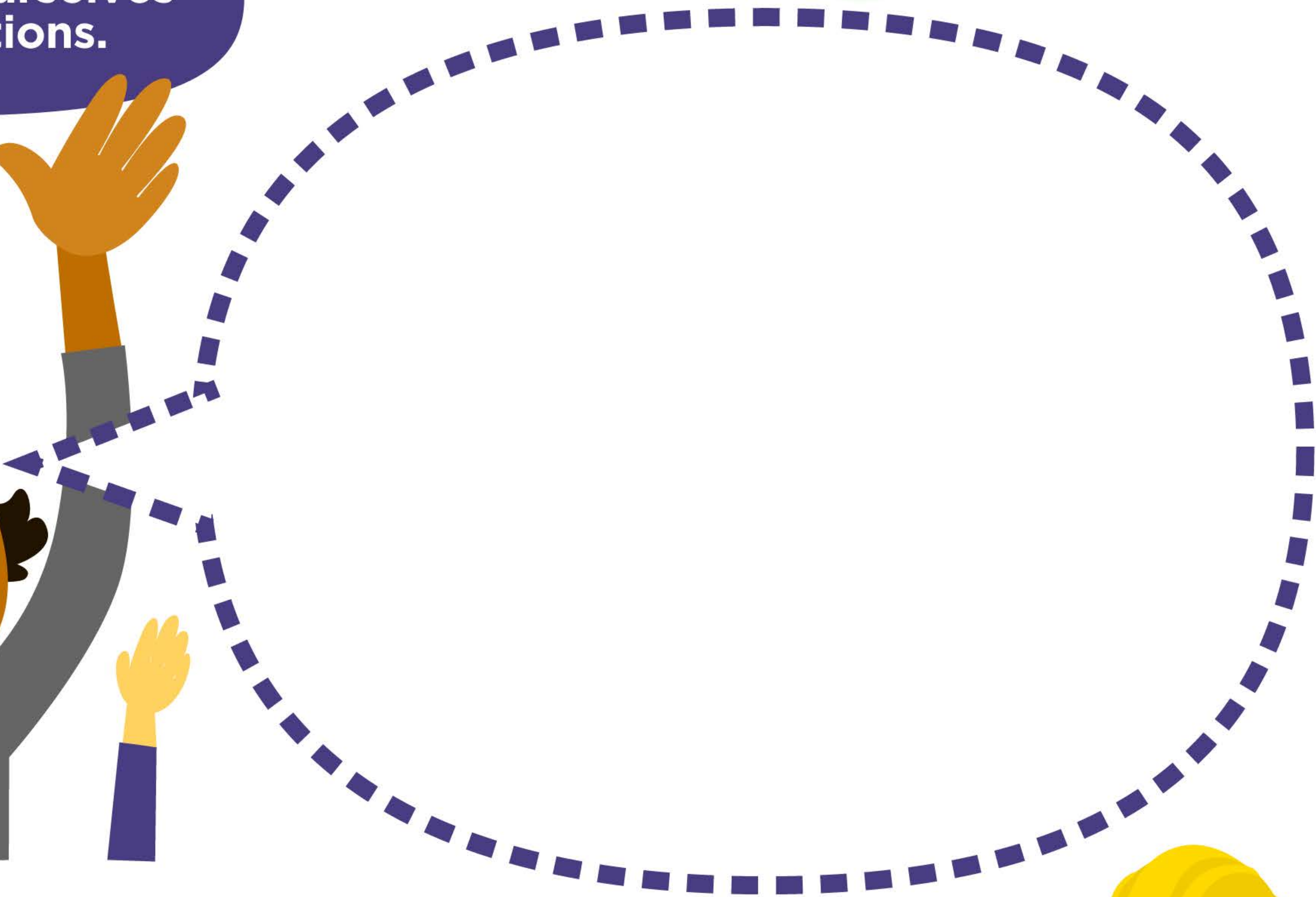
## STEP ONE: Observing & Questioning



We use our five senses to observe the event.



As we observe the event, we ask ourselves tons of questions.



## LET'S PLAN OUR EXPERIMENT

### STEP TWO

**Figuring out what we can't change directly and what we can change.**

During our experiment, these are the things that we could measure or observe, but that we can't change directly.



Things we could measure or observe, but not change directly:

Things we could change:

In the experiment, here's what we could change. These things might have an effect on our observations or measurements above.

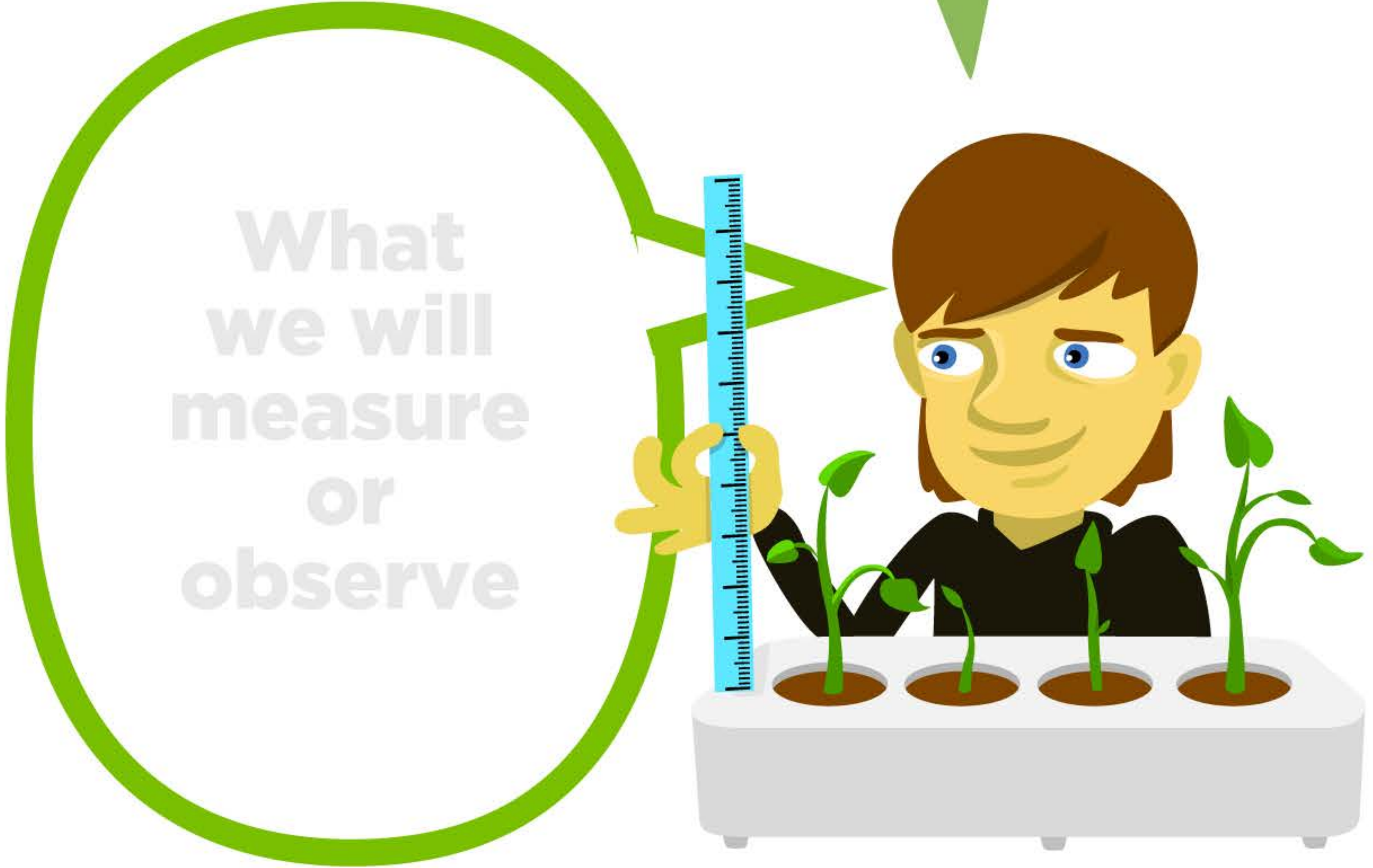


## LET'S PLAN OUR EXPERIMENT

### STEP THREE : Making choices for our experiment.

We choose ONE thing that we will CHANGE from trial to trial during our experiment.

We choose ONE thing to MEASURE or OBSERVE during our experiment.



Here are all of the things we will keep the same from one test to the next.



LET'S PLAN OUR EXPERIMENT

## STEP FOUR: Formulating the scientific question.



If we change...

The one thing we will change



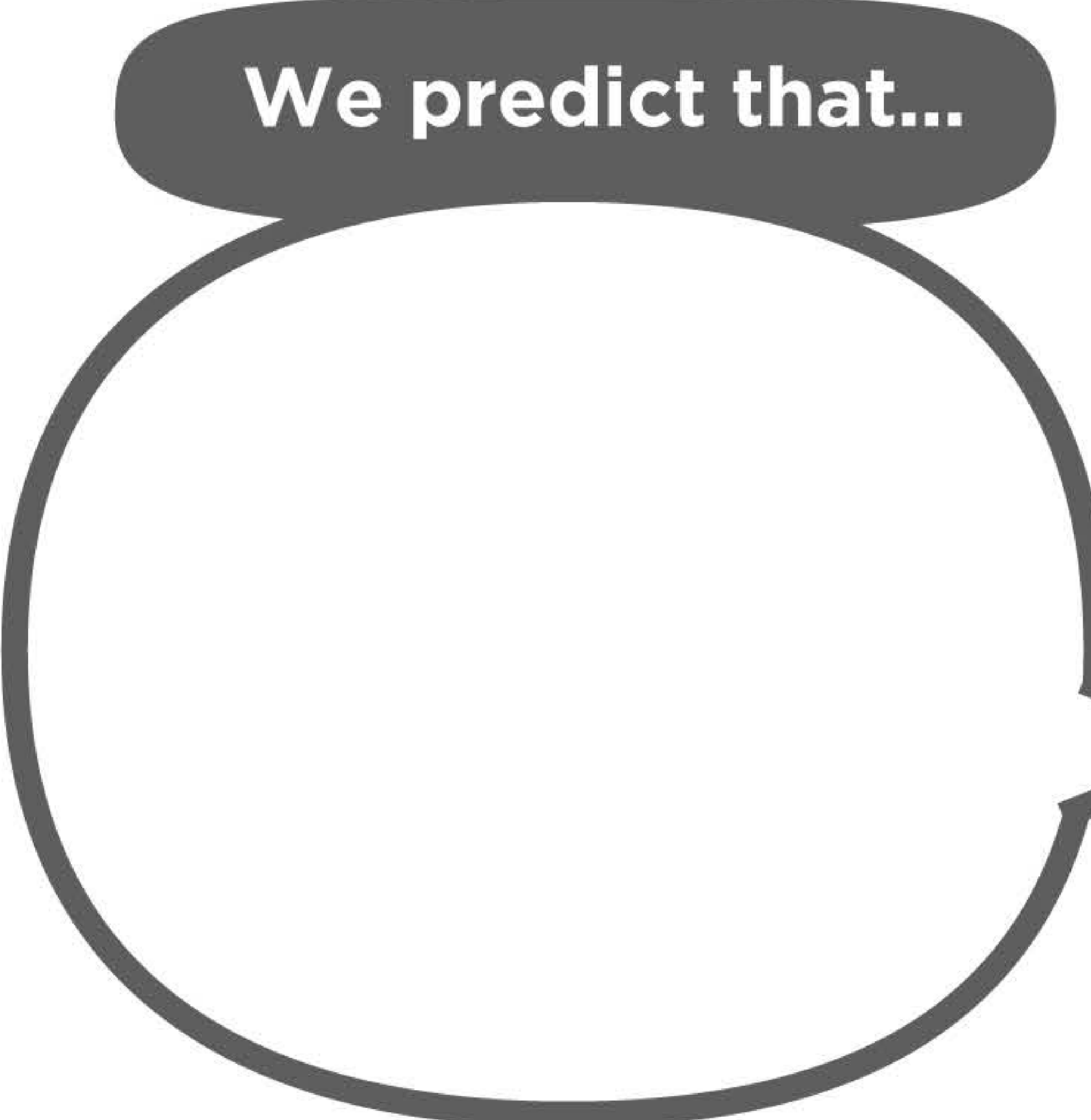
what will happen to...

What we will measure or observe

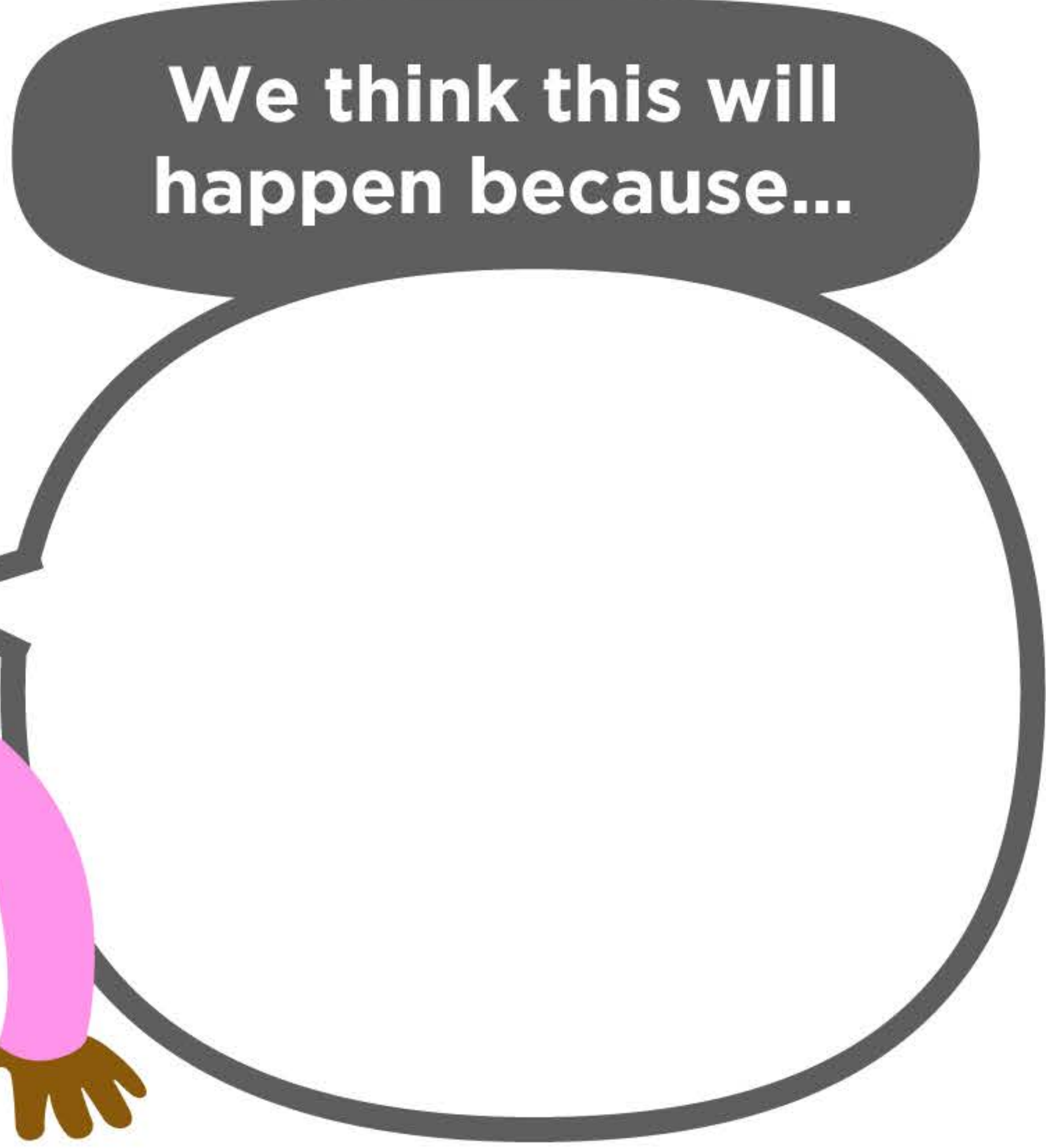
...compared to normal?

LET'S PLAN OUR EXPERIMENT

## STEP FIVE: Formulating the hypothesis.



We predict that...



We think this will happen because...