

## Some basic definitions:

Chemistry: SYSTEMATIC STUDY OF MATTER

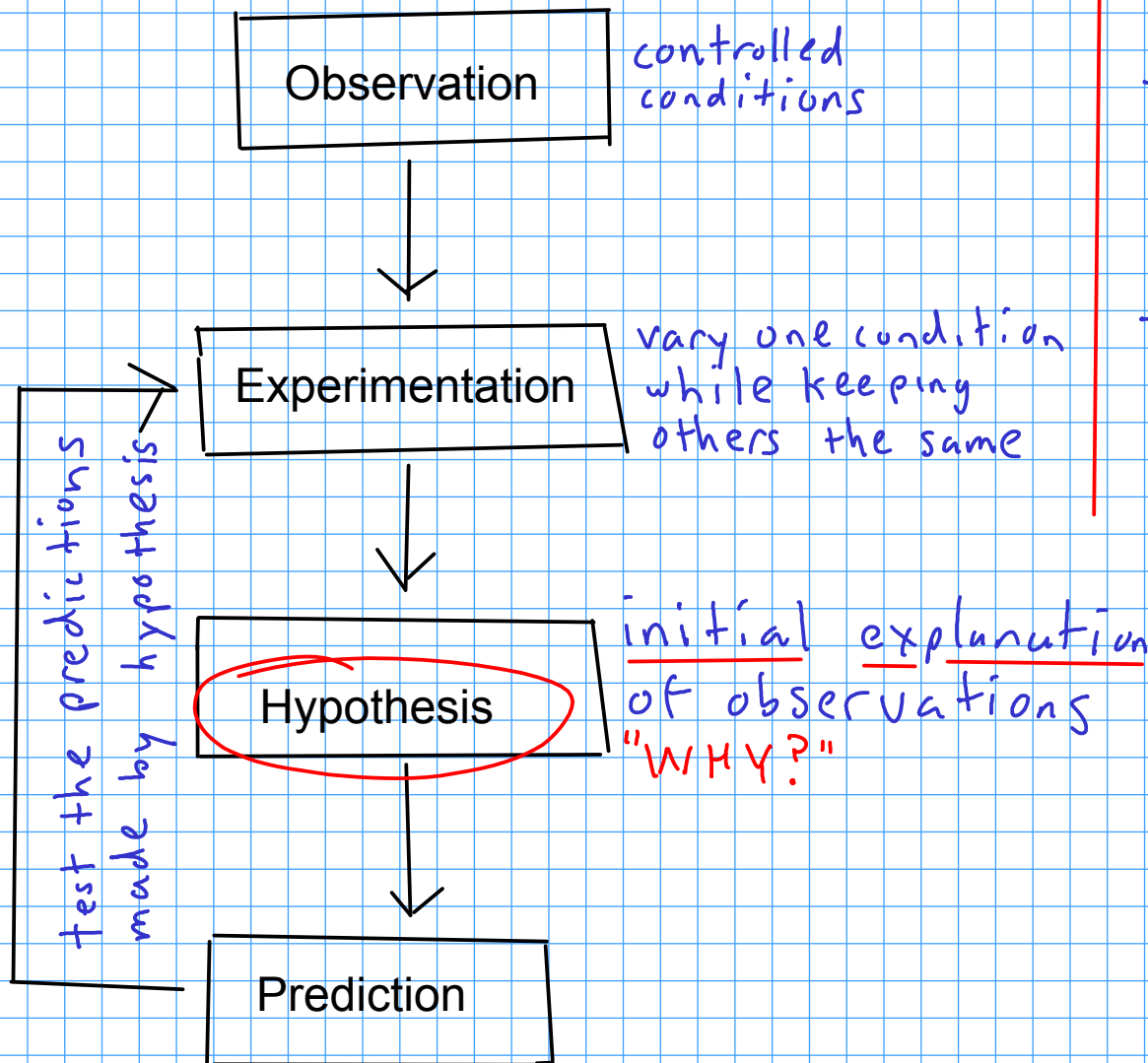
We often look at CHANGES in matter.



Matter: ANYTHING THAT TAKES UP SPACE AND CAN BE PERCEIVED (DETECTED)

... so what about "SYSTEMATIC STUDY"?

# Systematic study? The scientific method



## Scientific laws

- SUMMARY of observation often in equation form.
- DOES NOT EXPLAIN OBSERVATIONS

## Scientific theories

- an EXPLANATION of observations confirmed by repeated experiments
- accepted by most scientists