

## What Are Some Types of Investigations? | 9. 18

• Scientific Methods - ways that scientists perform investigations

• Experiment - procedure used to test a hypothesis

• Variable - any condition in an experiment that can be changed.

• Control - setup by which you'll compare all others

- Scientific investigations always begin with a question.

### Types of Investigations

- models are used to represent real objects, systems and processes

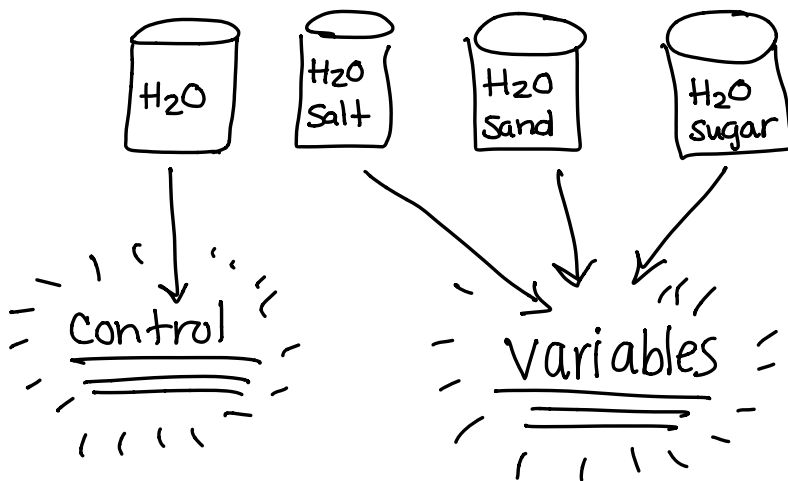
- physical
- computer simulation
- drawing diagrams / flow charts

- experiments to test controlled conditions

# Experiments

1. Question
2. Hypothesis
3. Variable ... all same with one difference
4. control ... the unaltered or changed

repeated observations - can be used to make predictions



Which will dissolve?