

Kelvin water dropper

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Content

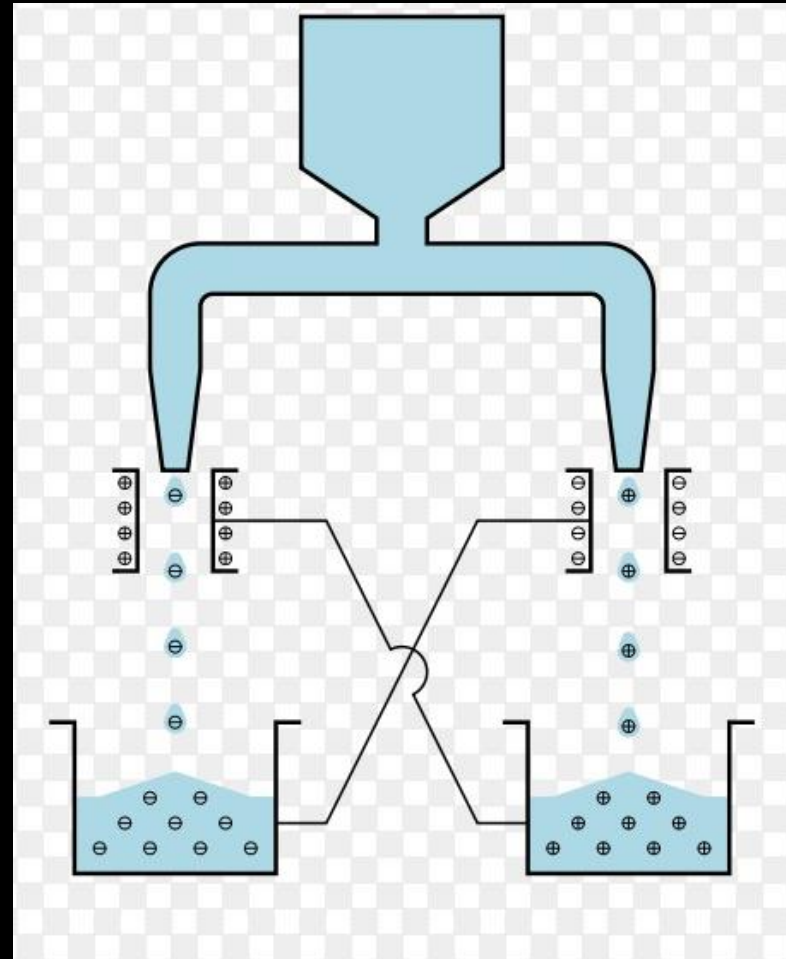
1.Purpose

2.Setup

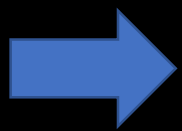
3.Principle

4.Expected

5.Planning



Purpose



Discuss the influence of flow rate and solubility on electrification efficiency

Setup

Material:

bottle*1

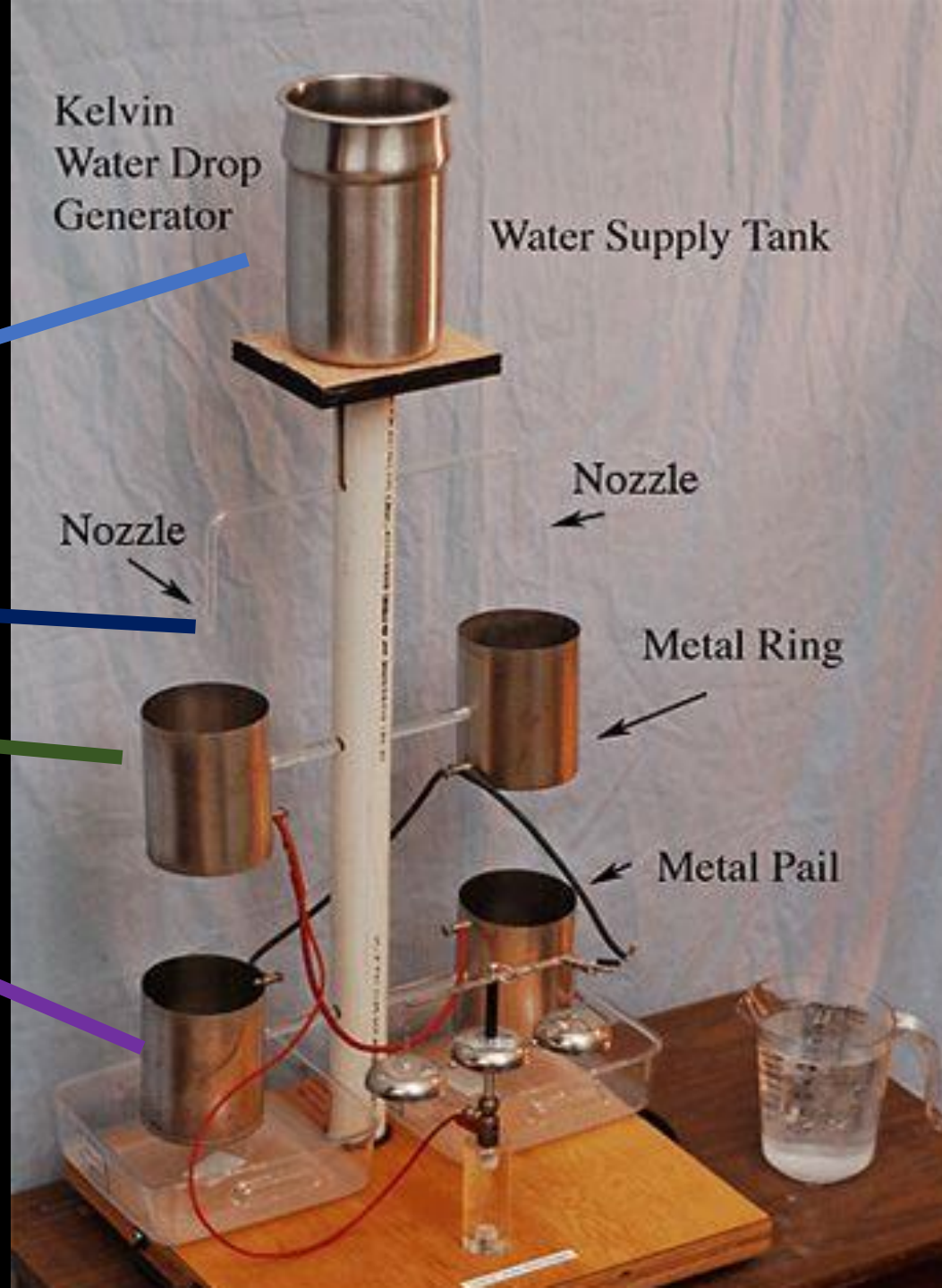
Water flow sensor*2

iron ring*2

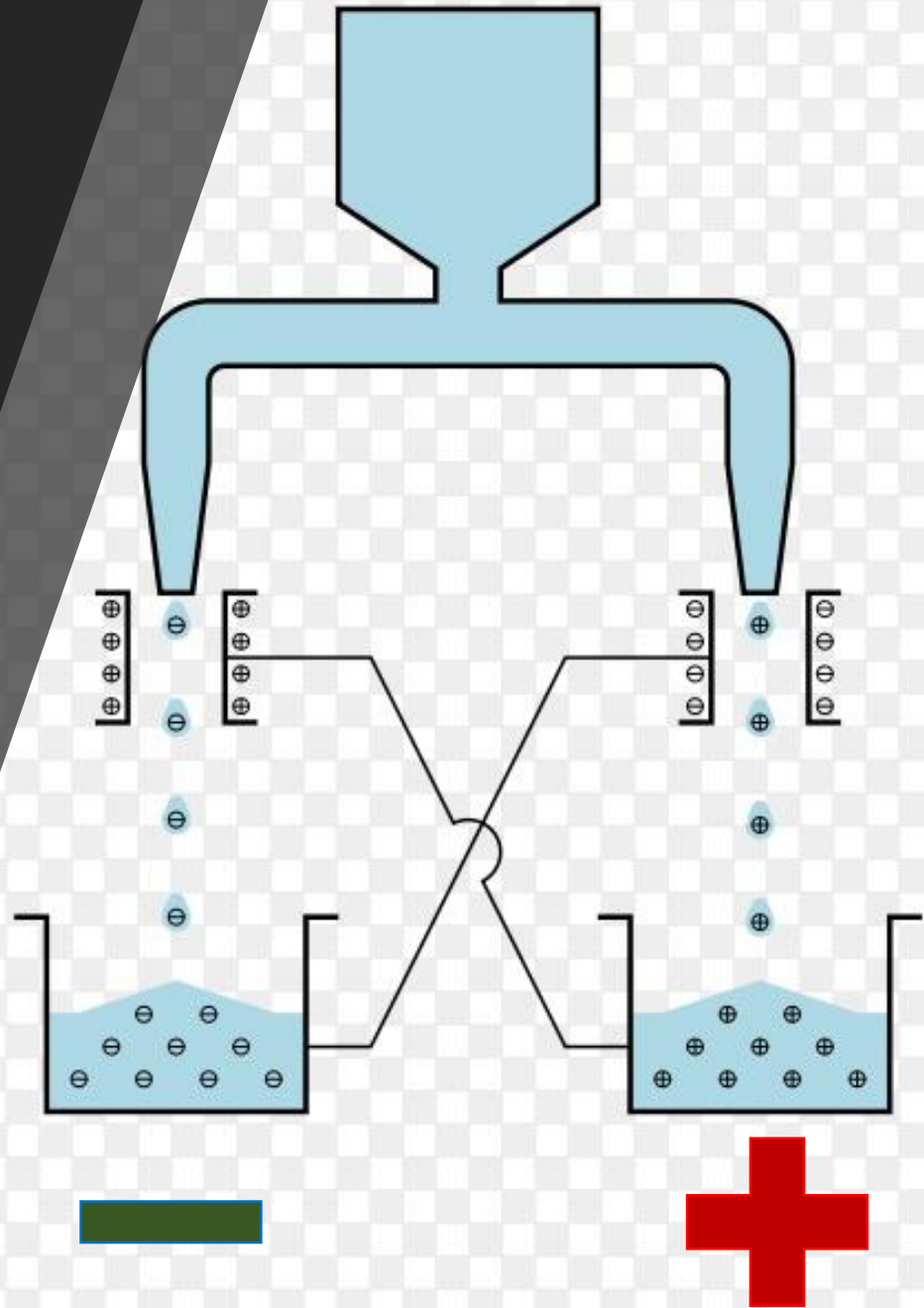
Iron bottle*2

NaCl water*1

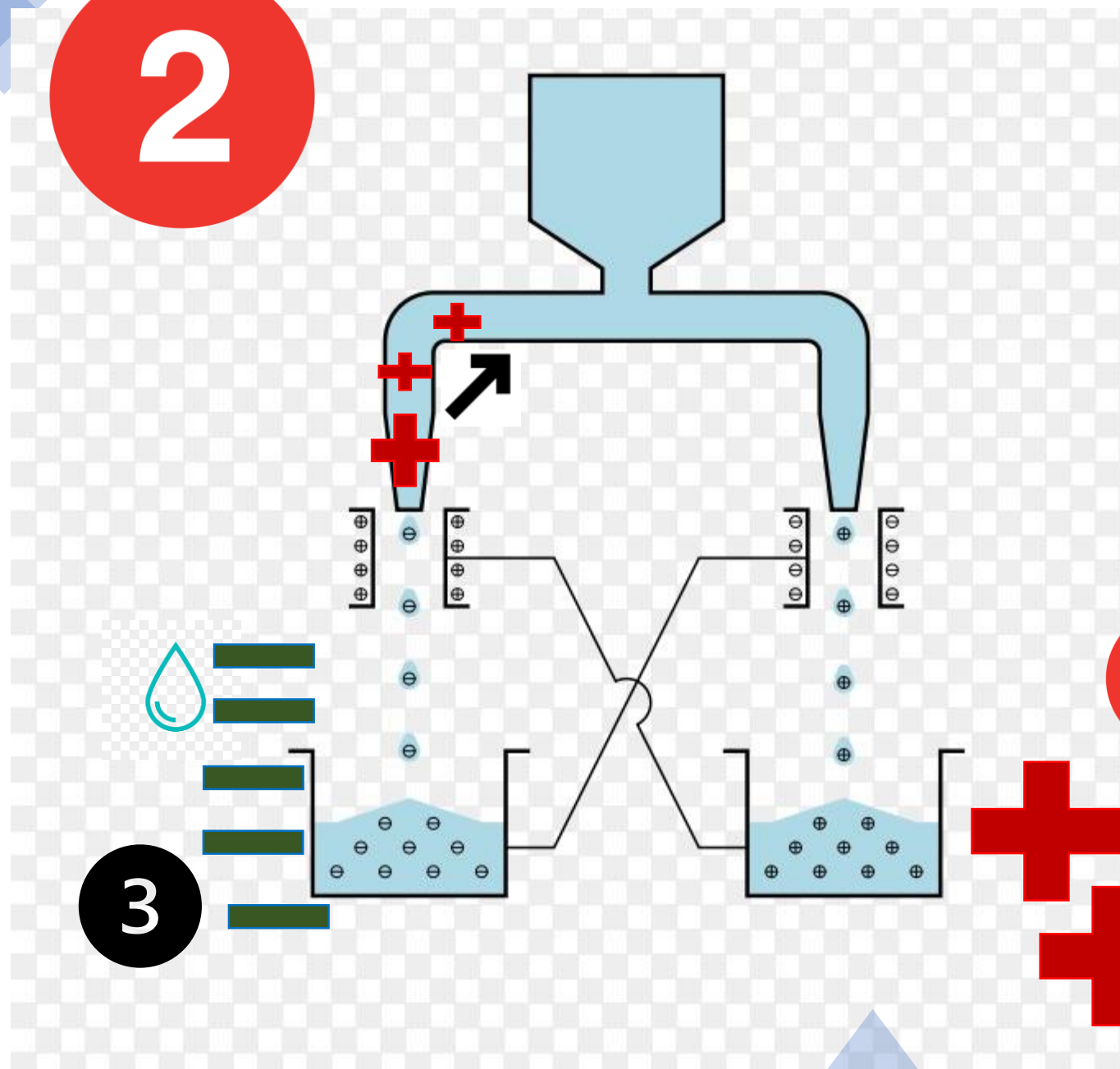
Probe*2



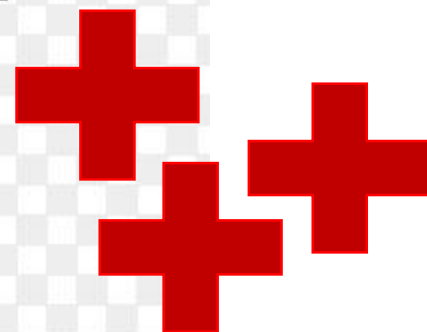
Principle



2



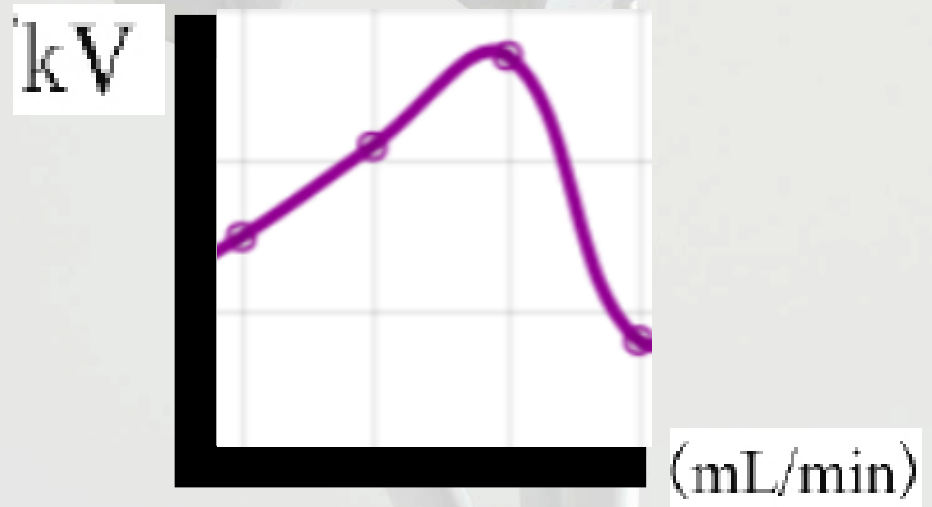
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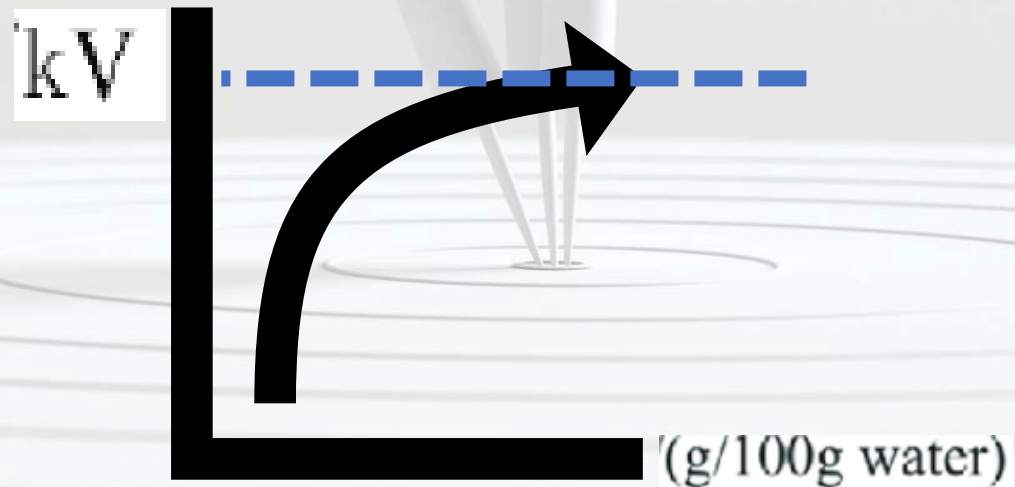
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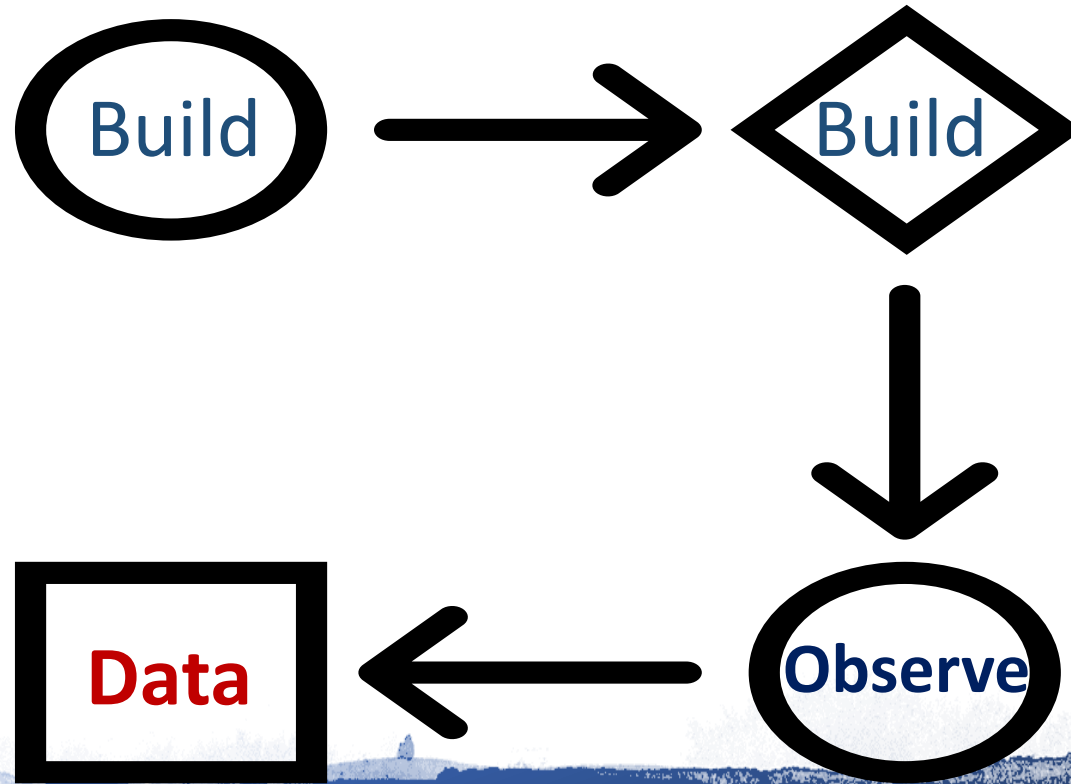
Expected

flow rate



solubility





Planning

Schedule

- Week1 ~2 → Make our set up in the factory
- Week3 ~6 → Change the type of liquid and the size of the hole to run experiment in order to gain data.
- Week7 ~8 → Finish the unfinished progresses and analyze data