### Electrolysis Procedure

1. Insert the thumbtacks into the bottom of the plastic container so that the points push up into the container. Space them so that they’re the same distance apart as the two terminals of the 9V battery. Be careful not to prick yourself!
2. Place the plastic container with the thumbtacks over the terminals of the battery. If the cup is too large to balance on the battery, find something to stack it on: between two books, a stack of post-its, etc.
3. Slowly fill the container with distilled water and salt solution. If the tacks move, go ahead and use this opportunity to fix them before you proceed.
4. Hold two test tubes above each thumbtacks to collect the gas being formed. Record your observations.

### Results

*What happens?*

*Does one tube have more gas than the other?*

*What gases do you think are forming?*

*Draw a model of what you think is happening at the atomic level.*