

Name: _____ Lab Partner(s): _____

Conductivity of Solutions Lab

Objective: To compare the electrical conductivity of solutions and to use a conductive solution for the decomposition of water.

Procedure:

1. Record the names and formulas of the provided chemicals in the table below. Complete the table with observations.
2. Set up your electrolysis apparatus as instructed.
3. With instructor approval, test the gases in your test tubes.

Data:

Chemical Name	Formula	Does the Solution Conduct Electricity?

Questions:

1. Why did each solution conduct or not conduct electricity well?
2. How much gas was produced in each test tube and to which color wire was each connected?
3. Draw a diagram of your apparatus and identify the gases that were produced.