

EXPERIMENT: To compare the electrical conductivity of ionic and covalent compounds

Student report

1 Introduction

(i) Date(s) of investigation: 9 Sep. 2014

(ii) List of the tasks to be carried out.

Test ionic compound (salt water) and covalent compound (pure water) in a circuit

2 Preparation and planning

List of apparatus.

beakers, water, salt, bulb, battery, wires and clips.

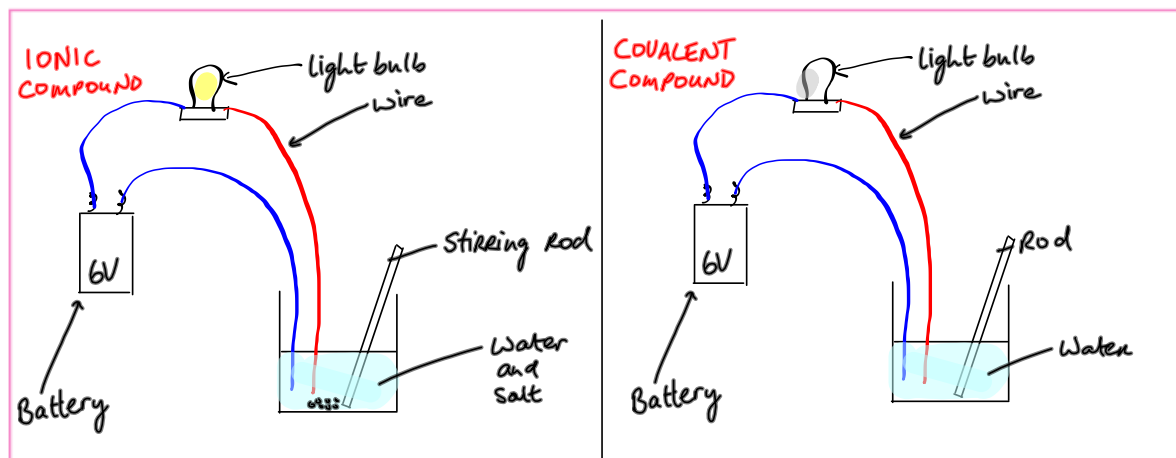
3 Procedure

(i) Outline your method.

① Set up as in diagram

② Observe if bulb lights

(ii) Labelled diagram.



(iii) Risks involved/safety procedures taken.

Be careful with water and glassware

(iv) Observations / Record of results or measurements

Bulb lit in Salt water but not in pure water

4 Conclusion and evaluation of results

Covalent compounds don't conduct electricity
 Ionic compounds do conduct electricity.

5 Comments

we should try more samples of different compounds.

6 Name:

Mr. R

Date of completion:

9-9-14