

SCIENCE ASSIGNMENT

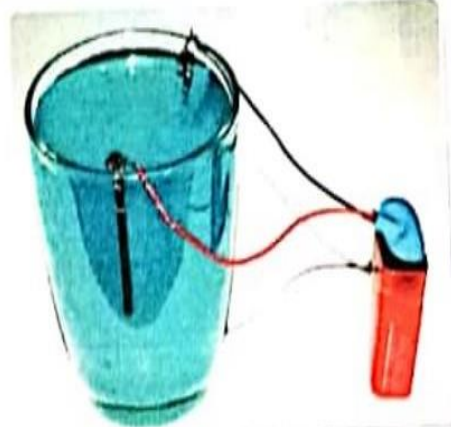
EXPERIMENT NO : 1

ELECTROLYSIS

Activity Zone

An electrolysis experiment

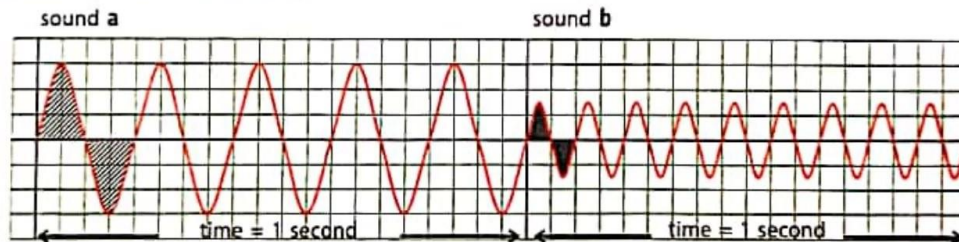
Electrolysis is used to break a simple compound into its component elements. For example, electrolysis will break silver chloride (AgCl) into silver and chlorine elements from which it is made. In this activity, you will observe how electrolysis breaks a simple compound.



Dissolve some copper chloride (CuCl_2) powder in water. Subject the solution to electric current by using a 9 volt cell as shown. Attach nails to each of the wires leading to negative and positive terminals of the cell.

Observe what happens on the two electrodes and answer the questions.

1. Does the nail attached to the negative electrode show any change?
2. On which electrode will the copper from the solution collect?
3. What will collect at the positive electrode?
4. Is there any change in the colour of the solution as the time progresses?

Activity Zone

The frequency–amplitude graphs of two different sounds (a and b) have been plotted above. Study the graphs and answer the questions.

1. Which sound has greater frequency?
2. Which sound has smaller amplitude?
3. Which sound will be louder?
4. Which sound will have a higher pitch?
5. Which sound will have a lower pitch?

Dear students,

Kindly write the answers and keep it with you. We will discuss the answers in the next class.