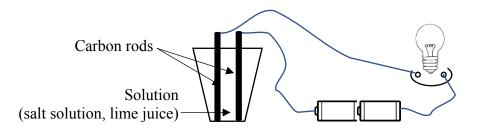
Subject	: Science
Grade	: 9
Term	: 2 nd Term
Unit	: 10 – Electrolysis
Competency level	: 2.2 competency level is covered in this section

Activity 1

1). Prepare a setup as below using the given materials that can find at home. Observe whether the bulb will light up/not and record the observations in the table given below.

(2 carbon rods, connecting wires (2), bulb, 2 dry cells, a transparent glass, salt solution, lime/mandarin juice, kerosene, sugar solution)

(Put each liquid into the glass separately and observe the illumination of the bulb.)



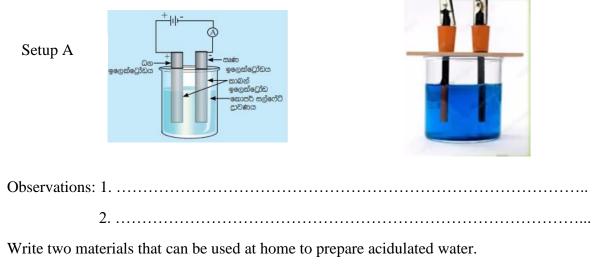
Solution	Observations (light / not)
1. Salt solution	
2. Lime/ mandarin juice	
3. Kerosene	
4. Sugar solution	

2). State the meanings of following terms.

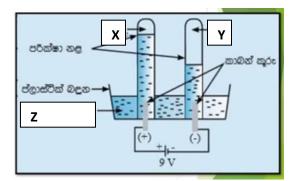
1. Electrolytes	:
2. non-electrolytes	:
3. Electrode	:

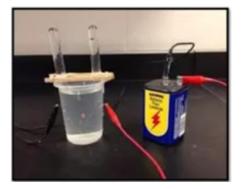
Activity 2

Following setups are arranged to electrolyse acidulated water and copper sulphate solution.



1	
2	





Setup B

1. Name X, Y and Z.

Х	-	
Y	-	
Z	-	

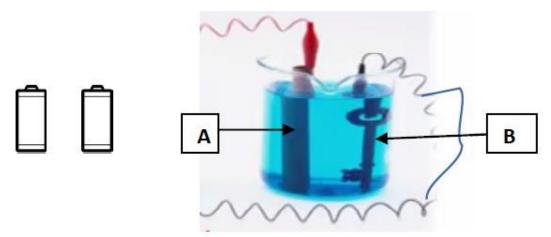
2. Write a method to identify X and Y gasses.

X ·	-	When a glowing splint is brought closer to ignit	es

Y - When a glowing splint is brought closer to ignites

Activity 3

Following is a setup designed by a student who said that an iron key could be plated with copper.



I. Write two materials that can be used as A and B at home.

A
В
II. What is solution "X"?
III. Redraw the setup by accurately connecting the setup.

IV. Name positive and negative electrodes separately.

Positive
Negative
V. Write two instances where electrolysis used in industries.
1
2

