



Provincial Department Of Education – Sabaragamuwa  
WEEKLY SCHOOL

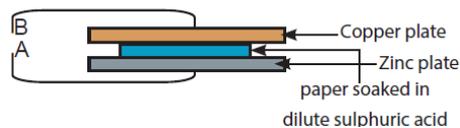
Subject : Science

Grade 7

Week : 18<sup>th</sup> of 1<sup>st</sup> Term

### Revision(1)

1. Mention two instances where static electric charges are used.
2. A student hung a PVC rod charged by rubbing with a piece of thread. He brought a glass rod rubbed with silk towards the PVC rod. The PVC rod was repelled.
  - I. What is the reason for the repulsion of the PVC rod ?
  - II. What is the type of static electric charges occur on the PVC rod ?
3. A student constructed the following set-up using copper and zinc sheets of same size. A piece of paper soaked in dilute sulphuric acid was kept between the copper sheet and zinc sheet. Pairs made thus, were placed one over the other as shown in figure above.



- (I) Suggest a name for this set-up.
  - (II) Name the (+) ve and (-) ve terminals of this.
  - (III) What can be observed when a coil is connected to terminals A and B ? Give reason for the observations.
  - (IV) Is it a direct current or an alternating current, that can be obtained from the set-up?
  - (V) Describe briefly, an experiment to confirm your answer for part IV
  - (VI) Draw the diagram in figure above, using symbols.
4. (I) Mention three sources of electricity that can be used to overcome present electricity crisis.  
(II) Is the main electricity supplied to houses, a direct current or an alternating current?
  5. Select the correct answers for the given questions.
    - I. What is the most soluble substance in water?
      1. Laundry blue
      2. Table salt
      3. Sand
      4. Coconut oil
    - II. Which property of water is used to cool the engine of a vehicle?
      1. As a solvent
      2. As a medium
      3. As a coolant
      4. As an insulator