

WorkSheet

1. Class : **Grade 8** Subject: **Science** Relevant week : **2nd week of August**

2. Unit : **10** **Electricity**

3. **The learning outcomes that should be gain from the lessons relevant to this week :**

- I. Construct simple electrical circuits in series and in parallel using the given circuit diagrams
- II. Explain the observations on the circuits in series and in parallel.

4.Task to be done by the student:

- I. Read carefully and understand the 10th lesson in text book (Page numbers- 18-22)
- II. Observe how the cells are arranged in series cell system and parallel cell system.
- III. Construct a simple electric circuit arranged in series combination.
- IV. Construct a simple electric circuit arranged in parallel combination.

5. **The books, websites, LMS lessons and other quality inputs that can be refer for above activities (online, offline, printed) are :**

I. Youtube:

- <https://www.youtube.com/watch?v=LpRj06m5XXg>
- <https://www.youtube.com/watch?v=S26lMiVCoQQ>
- https://www.youtube.com/watch?v=D_bdxZgAkds
- <https://www.youtube.com/watch?v=Htcqu4BirAQ&t=10s>

II. e -thaksalawa

- <https://www.e-thaksalawa.moe.gov.lk/moodle/course/view.php?id=123&lang=si>
- https://www.e-thaksalawa.moe.gov.lk/moodle/pluginfile.php/276055/mod_resource/content/2/grade%208%20lesson%2010.pdf

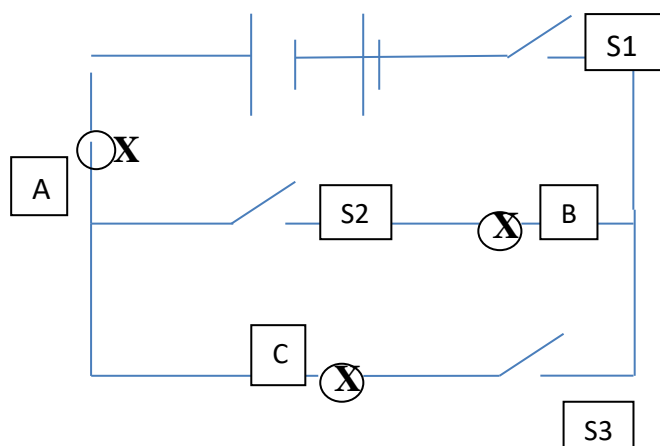
III. Web sites

- classroom.google.com/h

IV. e-nenapiyasa

- <https://www.enenapiyasa.lk/lms/mod/page/view.php?id=25701>

6. Evaluation / Assessment Methodology:



- 1) How are the cells connected in this circuit?
- 2) In which manner the bulbs A and B are connected in this circuit?
- 3) How B and C bulbs are connected to the circuit?
- 4) Which switches should be close to illuminate the bulbs A and B?
- 5) Which switches should be close to illuminate the bulbs A and C?
- 6) What are the bulbs that illuminate when S_2 and S_3 switches are closed?
- 7) What happens to the brightness of the bulbs A, B and C when all the switches are closed?

Prepared by: Zonal Education Office- Embilipitiya
Name of the officer : - D.E.D – Nilukshi Gunewardane
Translated by : H.A.Janani Kaushalya