

Worksheet

1. Class : **Grade 8** Subject: **Science** Relevant week : **3rd week of November**

2. Unit : **14** Phenomena and exploration associated with the solar system

3. Tasks to be done by the student

- I. Read well and understand the 14th lesson in your science text book
- II. Observe the night sky and make a report on followings
 - Phases of moon
 - Constellations
- III. Gather information about the special things occur at night during recent days and make a report (Geminid meteor shower, The great conjunction 2020)
- IV. Do the activity 14.3 in your text book

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

- I. e-nenapiyasa:
 - <https://www.enenapiyasa.lk/lms/mod/page/view.php?id=18368>
- II. Youtube:
 - <https://youtu.be/MxIIktyx-bk>
- III. e-thaksalawa
 - <https://www.ethaksalawa.moe.gov.lk/moodle/course/view.php?id=123&lang=si>

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

- Identify planets and stars by observing the night sky.
- Construct various models to demonstrate the rotation and revolution of the Earth and the moon.
- Illustrate phases of moon diagrammatically.
- Construct models to observe phases of moon.

6. Evaluation / Assessment Methodology:

i. Fill in the blanks

Planets around their axis and
Around the sun. The rotational time of Earth is The path of a
planet that travels around the sun is known as
..... occur due to the revolution of moon. During a solar
eclipse, can cover the sun totally. Solar eclipse occurs on
..... There are types of lunar eclipse. The unit
that use to measure the distance between two stars is

(24 hours moon, three, revolution, moon phases, new moon days, light years, rotation,
orbit, full moon,)

ii. Write down short answers for the following questions

1. Why planets do not move away or towards the sun while they are revolving?
2. Write down 2 reasons for occurring seasonal changes
3. What is the tilt that earth has to its orbit plane?
4. Fill the following table based on the knowledge about the seasonal changes occurs to northern hemisphere and southern hemisphere on 21st of June and 22nd of December

	Northern hemisphere		Southern hemisphere	
	21 st June	22 nd December	21 st June	22 nd December
Way of sun rays fall				
Relevant season				

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