

Work Sheet

1. Class : **Grade 8** Subject : **Science** Relevant Week : **2nd week, September**

2. Unit : **11 Main biological processes in plants**

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

- I. Design and conduct suitable activities to show transpiration of water in plants
- II. State appropriate examples for transport of soluble minerals and food substances by plants through their transport system.
- III. Accept the importance of material transportation for the survival of plants
- IV. Construct simple activities to demonstrate diffusion.

4.Tasks to be done by the students

- I. Read well and understand the contents in page numbers 51 and 52 in your science text book(11th lesson- Main biological processes in plants)
- II. Put a drop of ink into a glass of water and observe how the ink particles distribute in water.

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

I. e -nenapiyasa:

- <https://www.enenapiyasa.lk/lms/mod/page/view.php?id=18376>

II. e -thaksalawa

- <https://www.e-thaksalawa.moe.gov.lk/moodle/mod/hvp/view.php?id=42744>
- <https://www.e-thaksalawa.moe.gov.lk/moodle/mod/hvp/view.php?id=42745>
- https://www.e-thaksalawa.moe.gov.lk/moodle/pluginfile.php/243790/mod_resource/content/1/8%20%E0%B7%81%E0%B7%8A%E0%B6%BB%E0%B7%9A%E0%B6%AB%E0%B7%92%E0%B6%BA%20%E0%B6%B4%E0%B7%8F%E0%B6%A9%E0%B6%B8%2011.pdf

III. Websites:

- <https://drive.google.com/file/d/1nXSIXspAUmXM0l5x5juwwYfDpMBdYXpH/view>

IV. Youtube:

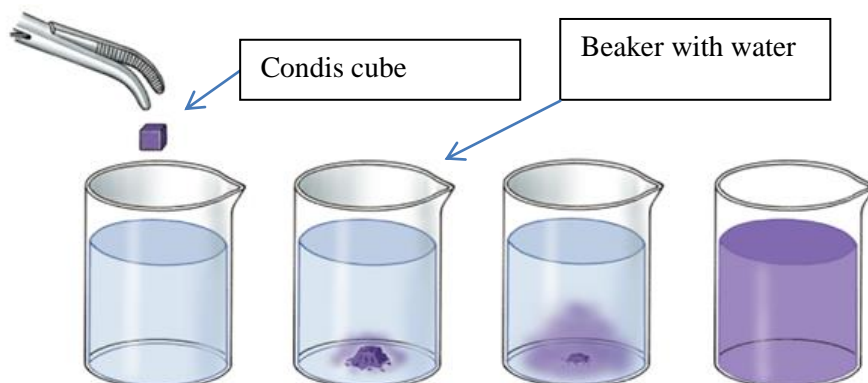
- <https://www.youtube.com/watch?v=2zOE1SplUHw&t=1193s>
- <https://www.youtube.com/watch?v=zoMWqzG511M>

6. Evaluation / Assessment Methodology::

Study the page numbers 51 and 52 in your science text book

- 1) Give three examples for instances where transportation of materials taking place inside the plants
- 2) Explain the process of “Diffusion”
- 3) Explain the following phenomenon scientifically.
 - (a) When the skin of an orange is peeled off, the smell can be felt for a person who is even a little far away.
 - (b) When noodles are mixing with hot water they become soft and thick.
 - (c) When sugar is added to a glass of water (Without mixing with a spoon) Water become sweet.

4)



Here we can observe that condis cube was dissolved in water when it is placed in a water-filled beaker. Explain this observation with the help of diffusion

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