

PENANG SANGAM HIGH SCHOOL
YEAR 9 BASIC SCIENCE WORKSHEET 2021

WEEK 6 (05/07 – 09/07)

1. Green plants are different from most other living things because they
(Question above is on Types of plants topic that includes algae, mosses, ferns etc)
 - A. grow quickly.
 - B. take in oxygen and give out carbon dioxide.
 - C. make their own food.
 - D. contain many different parts.

2. Two processes carried out mainly in leaves are **(Refer to Photosynthesis and Transpiration notes)**
 - A. absorption and transport.
 - B. absorption and transpiration.
 - C. transpiration and photosynthesis.
 - D. photosynthesis and transport.

3. Define the following terms used in scientific reports: **(Refer to notes on Writing Practical Reports)**
 - i) Inference
 - ii) Hypothesis

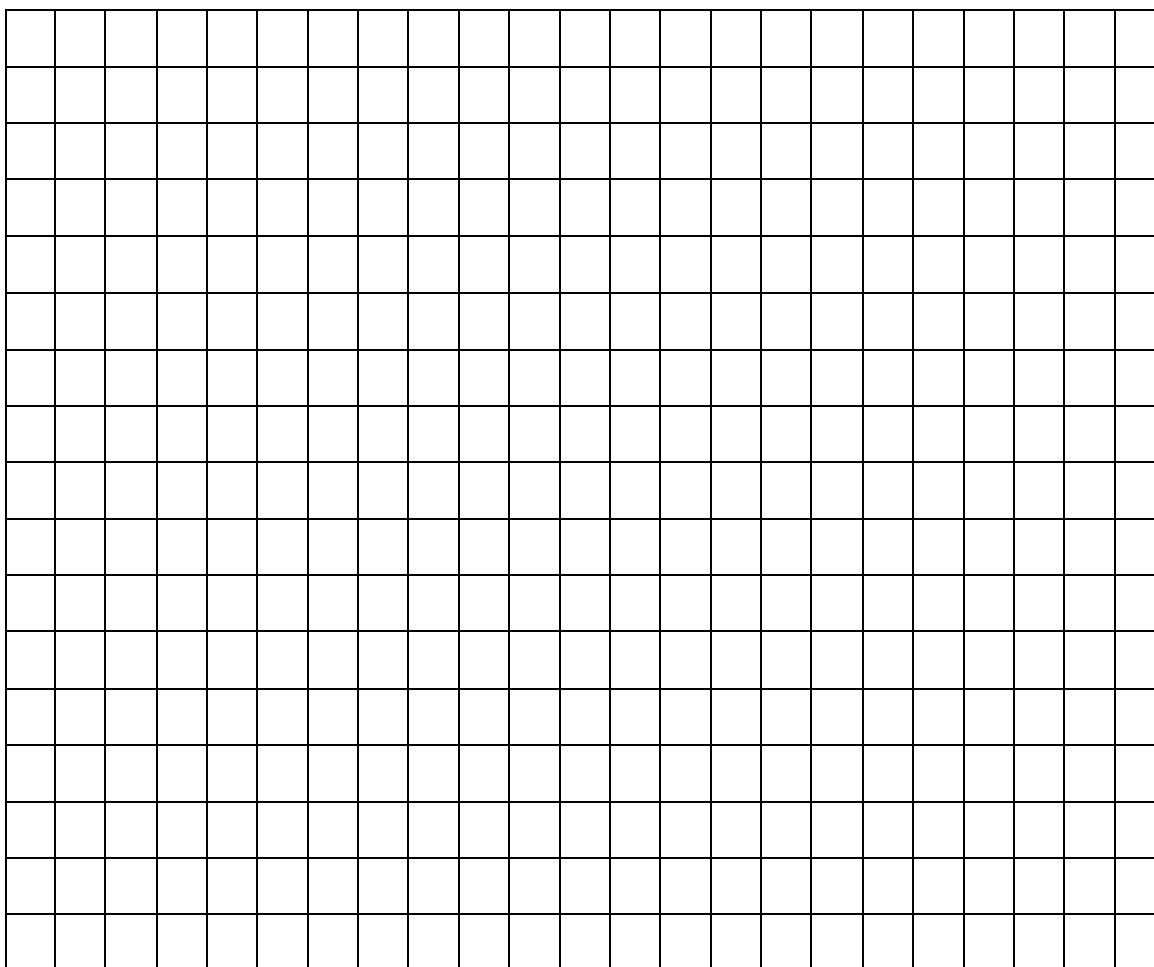
4. A group of Year 9 students set up an experiment using four identical leaves test the rate of Transpiration. Different parts of the leaf were covered with grease, which is water proof and blocks the stomata. The leaves were hung on a line and left for a week. **(Refer to notes Transpiration)**
 - Leaf A – no surface was covered
 - Leaf B – lower surface was covered
 - Leaf C – upper surface was covered
 - Leaf D – both the surface were covered
 - i. Leaf A will lose the most water. Explain why?
 - ii. Which leaf do you think would lose the least water?
 - iii. Give a reason for your answer in **(ii)** above.
 - iv. Which leaf (leaf B or leaf C) do you think would lose the most water? Explain why?

5. Simon set up an experiment to compare the amount of water lost by the plant when it was light and when it was dark. The results were tabled as shown below: **(Refer to Types of Graphs notes)**

Time (mins)	Distance water travelled along tube (mm)	
	In light	In dark
0	0	0
5	10	2
10	20	4
15	28	5
20	38	8
25	50	10

Plot the results for the light on a line graph. Then add the results for the dark on the same graph.

Title of graph: _____



...STAY SAFE... 