

Collège Notre Dame Des Sœurs Anto	nines-Jamhour
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Name: _____

Subject: Biology worksheet

Class: grade 7
Date: October 2019

Exercise 1: Answer by true or false. Correct the false statement. Rewrite the entire sentence when correcting the false statement.

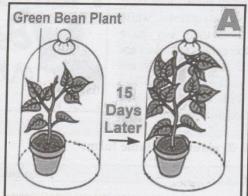
a) Green plants are producers capable of manufacturing their own organic matter.

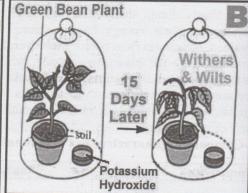
- b) The chlorophyllic plants do not need light.
- c) Green plants perform respiration during day and night.
- d) During photosynthesis, green plants absorb oxygen and produce carbon dioxide.

Exercise 2:

Sami wrote in his exam that oxygen alone is enough to keep a green plant alive. However, his friend Mariam didn't agree and supposed that the plant needs carbon dioxide (CO_2) with oxygen (O_2) to perform the processes of life. To solve this problem, the teacher conducts the following experiment. Two young plants are placed under a glass container containing air and exposed to light and supplied with water rich in mineral salts.

Note: potassium hydroxide (KOH) absorbs carbon dioxide.





- a) Pose the problem of the experiment (remember you should write the answer in the form of a question).
- b) Pick out the hypothesis studied by Mariam.
- c) Indicate the variable of this experiment.
- d) Analyze the experimental results.
- e) Derive a conclusion if Mariam's hypothesis is validated.
- f) According to your acquired knowledge, indicate the process that takes place in A. Justify your answer.