



Collège Notre Dame Des Sœurs Antonines-Jamhour

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.

- Green plants are producers capable of manufacturing their own organic matter.
- The chlorophyllic plants do not need light.
- Green plants perform respiration during day and night.
- 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.



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