

The Primary Stage of Grades (4-5)
School Year 2022 - 2023

Name: _____

Subject: Worksheet 1
Photosynthesis and respiration

Date: / /

Class: Grade Five National (All Sections)

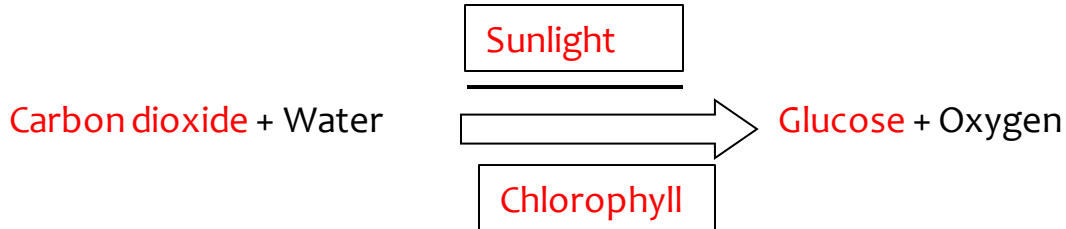
Objective/s

Identify the reactants and products of photosynthesis and respiration process.

Question one: Use the following words in the box to fill in the blanks.

Glucose Oxygen Carbon Dioxide Sunlight Water
Chloroplasts Leaf Chlorophyll

a) Photosynthesis process equation:



b) Photosynthesis needs:

- 1- Sunlight
- 2- Chlorophyll
- 3- Water
- 4- Carbon dioxide

Photosynthesis produces:

- 1- Oxygen
- 2- Glucose

c) In which **part of the plant** does photosynthesis take place?

Leaf

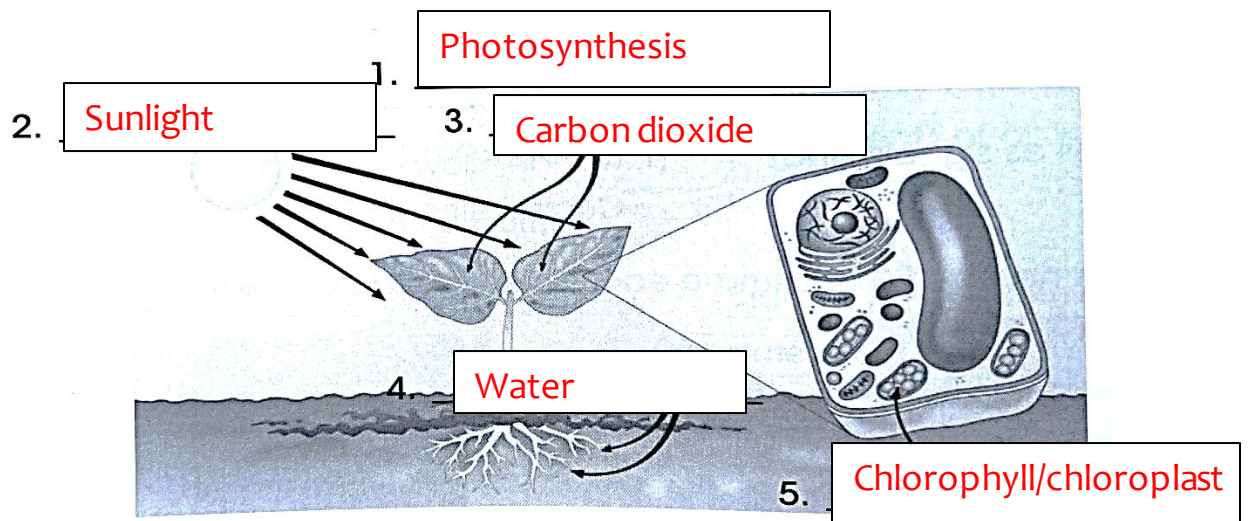
d) The green substance that absorb light energy is called

Chlorophyll inside the chloroplast

e) The food produced by the plant is called **Glucose**

f) The waste product from photosynthesis process is **Oxygen**

Question Two: Write the name of the process and label it.



Question three: Answer the following questions regarding respiration.

1- In order for respiration to take place, what do cells need?

They need oxygen and glucose.

2- What is the purpose of cellular respiration?

It supplies the cells with energy.

3- Write the word equation of cellular respiration?

Glucose + Oxygen \longrightarrow Energy + Carbon dioxide + Water

**** Remember that all living organisms respire in order to produce energy.**

Question four: Label the following oxygen cycle.

