



# SKYLARK WORLD SCHOOL

Summer Vacation Assignments  
2022-23

GRADE – VII



A decorative border of colorful butterflies (purple, orange, and black) surrounds the page. The butterflies are arranged in a continuous line along the top, bottom, and sides.

## General Instructions

1. Students are required to do one page of English Handwriting in their Vocabulary notebook every day.
2. Do yoga and exercise every day.
3. Read newspaper Daily in the morning.
4. Take bath and offer your prayers every day.
5. Do neat and impeccable work.
6. Eat healthy food and stay safe from the extreme hot and humid conditions.
7. Drink a lot of water / liquids.
8. Help your mother in household chores.
9. Arrange your bed and wardrobe.
10. Spend quality time with your family.

**Happy Holidays!!**



**SKYLARK WORLD SCHOOL**  
**SUMMER VACATION ASSIGNMENT**  
**2020-21**  
**GRADE - VII**

**1. Integrated HW – Collaboration of English, Social Studies, Computer/IT & PD**

1. Podcast – Digital audios are so much in trend. So, get ready to charm the world with your sweet voice. Open your “The English Connection” and record the audio in your voice for each of the summary given on Pg 175 & 176, unit wise.

2. “A man with a scant vocabulary will almost certainly be a weak thinker.” This summer time brush up your vocab by learning all the spellings given the provided worksheets.

3. Prepare a scrap book (Story Book) using A4 size sheets and write articles based on the following topics: [ word limit 200]

- Never judge a book by its cover.
- As you sow, so shall you reap.
- All well that ends well.
- Every cloud has a silver lining.

**2. Integrated HW – Collaboration of Science & Maths**

- Make 3D Shaped Village/City Model on a Cardboard with Waste Materials.
- Measure and note down the lengths, breadths, heights, diameter, circumference (using  $\pi = 22/7$ ) of the shapes with their names and how they have been used (For Example – cuboidal house, cylindrical well).
- Make some renewable and non-renewable energy sources that are being used nowadays in villages/ cities.
- Note down Biodegradable & Non-Biodegradable materials used, state how you applied 3Rs (Reuse, Reduce & Recycle) in the model.
- Also describe the renewable non-renewable energies used in the model.

**2. Integrated HW – Collaboration of Hindi & Social Studies**

इंटरनेट से “ हेल्पेज इंडिया ” के बारे में जानकारी एकत्र कर एक परियोजना तैयार कीजिए ।



### 3. Integrated HW – Collaboration of Computer & Art/Craft



Draw the charts on various topics as allocated to the individual students by the subject teacher



### 4. Integrated HW – Collaboration of Science, Social Science & English



I. Read the following paragraph and answer the following questions-



Plants synthesise carbohydrates through the process of photosynthesis. The carbohydrates are made of carbon, hydrogen and oxygen. These are used to synthesise other components of food such as proteins and fats. But proteins are nitrogenous substances which contain nitrogen. Nitrogen is present in abundance in gaseous form in the air.



However, plants cannot absorb nitrogen in this form. Soil has certain bacteria that convert gaseous nitrogen into a usable form and release it into the soil. These are absorbed by the plants along with water. Also, you might have seen farmers adding fertilisers rich in nitrogen to the soil. In this way the plants fulfil their requirements of nitrogen along with the other constituents. Plants can then synthesise proteins and vitamins.



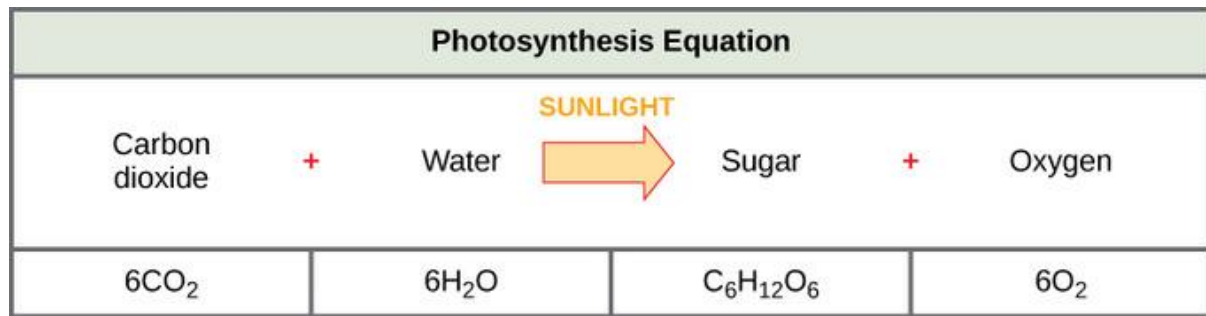
Besides leaves, photosynthesis also takes place in other green parts of the plant — in green stems and green branches. The desert plants have scale- or spine-like leaves to reduce loss of water by transpiration. These plants have green stems which carry out photosynthesis.



Oxygen which is essential for the survival of all organisms is produced during photosynthesis. In the absence of photosynthesis, life would be impossible on the earth. During photosynthesis, chlorophyll containing cells of leaves, in the presence of sunlight, use carbon dioxide and water to synthesise carbohydrates. The process can be represented in an equation: During the process oxygen is released. The presence of starch in leaves indicates the occurrence of photosynthesis. Starch is also a carbohydrate







Climate changes pose a great danger on the plant life. It effects the plants in many ways. Global warming and rising temperatures lead to more frequent droughts, wildfires, and invasive pest outbreaks, leading to the loss of plant species. That has numerous detrimental effects including lowered productivity, longer droughts and increased number of heat waves will stress plants, causing them to be less productive. Activities that release carbon dioxide and other greenhouse gases that cause global warming, such as the burning of fossil fuels, agricultural activities, and deforestation. Increasing carbon dioxide levels may increase photosynthesis rates in some plants, but this can also make plants less nutritious. Increasing average global land and ocean temperatures and changes in precipitation patterns also affect plant and algae growth, and can make certain species more susceptible to disease.

1) Carbohydrates are made up of which of the following components?

- i. Hydrogen
- ii. Carbon
- iii. Oxygen
- iv. All of the above

2) \_\_\_\_\_ is a nitrogen containing compound.

- i. Carbohydrates
- ii. Hydrogen
- iii. Oxygen
- iv. Proteins
























3) Which organisms convert gaseous nitrogen into a useable form?

- i. Earthworm
- ii. Cattle
- iii. Microbe
- iv. Bacteria

4) Which of the following organism produces oxygen?

- i. Humans



-  ii. Plants
-  iii. Bacteria
-  iv. Fungi
-  5) Photosynthesis occurs in the presence of light?
-  i. True
-  ii. False
-  iii. Both i and ii.
-  iv. None of the above
-  6) \_\_\_\_\_ component is essential for the survival of all the living organisms.
-  i. Oxygen
-  ii. Carbon dioxide
-  iii. Nitrogen
-  iv. Hydrogen
-  7) How does desert plants reduce loss of water by transpiration?
-  8) How do plants fulfil their requirements of nitrogen?
-  9) What is the indication of the occurrence of photosynthesis in a plant?
-  10) What is climate change?
-  11) What are the causes of global warming?
-  11) Write a short note on effect of global warming on photosynthesis.
-  12) Make a 3D model on the topic “Photosynthesis in Plants”.
-  13) Make a poster on A3 (30cm x 42 cm) size ivory paper on the topic “Solutions for Curbing Global -Warming”
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