Silahkan dipelajari

Text 1

Introduction: Photosynthesis is a vital process that occurs in plants, algae, and some bacteria. It is the primary mechanism through which these organisms convert sunlight, water, and carbon dioxide into glucose (sugar) and oxygen. Understanding photosynthesis helps us appreciate the fundamental role it plays in maintaining life on Earth.

Explanation: Photosynthesis is a complex process that can be summarized in three main stages: absorption of light, conversion of energy, and production of glucose.

1. Absorption of Light: Plants contain a pigment called chlorophyll, which gives them their green color. Chlorophyll molecules are located in specialized structures called chloroplasts, primarily found in the leaves. When sunlight reaches the chloroplasts, chlorophyll absorbs its energy, particularly in the red and blue regions of the light spectrum.
2. Conversion of Energy: Once the chlorophyll absorbs light energy, it triggers a series of chemical reactions within the plant cells. These reactions involve the conversion of light energy into chemical energy in the form of adenosine triphosphate (ATP). ATP serves as the primary energy currency in cells, providing the necessary energy for cellular processes.
3. Production of Glucose: During photosynthesis, plants also take in carbon dioxide from the air through tiny openings called stomata in their leaves. Through a process known as carbon fixation, the plants combine carbon dioxide molecules with the energy-rich ATP and hydrogen ions derived from water to produce glucose. Oxygen is released as a byproduct into the atmosphere through the stomata.

Conclusion: Photosynthesis is a remarkable process that sustains life on Earth by converting sunlight, water, and carbon dioxide into glucose and oxygen. It is not only crucial for plants' growth and survival but also provides oxygen for other organisms, including humans. Understanding the intricacies of photosynthesis helps us appreciate the interconnectedness of all living organisms and the vital role that plants play in maintaining a balanced ecosystem.

Text 2

My Beloved Friend Cacha,

Hello, Cacha! Are you doing great in New Zealand? Hopefully, you're doing great there. It's been a while since you moved from Jakarta. You don't know how much I miss you.

I want to let you know that next month is my graduation from University. I'm arranging a family and friend party. I know you have a tight schedule but I'd love it if you come to the party.

Okay, I think that's all from me now. Just let me know if you are free next month. I'd love to hear anything from you. See you!

Sincerely yours,

Lizzie

Text 3

Dear Mrs. Hudson,

Thank you for setting aside your time to read this letter. The reason why I'm writing this letter is that I want you to know that I can't attend the class next week.

Cakap has invited me to take part in their Speech Competition which is held on Monday, the same day as your class. I hope you give me permission to skip the class and support me to win this competition.

I think that's all from me. Thank you for your understanding.

Best regards,

Pharell

Text 4

Sidomukti Sukalayu
40123 Bandung
25 Februari 2020

My beloved friend Darla

Hello.

How are you there? Three years have passed so fast. I still have that regret inside. How could I don't. I wasn't there to say good bye to you. We've been a good friend since we were a little kid.
But at the moment when you and your family moved to Japan I wasn't there.
You know what? I was angry that day. I was so sad to know that you would go.
But then I realize there's nothing I could do. I couldn't hold your back.
I was selfish and naive to think that our friendship was the most important between us.
You deserve to be happy. You have the right to choose what best for you. The fact is even we are separated away, our friendship is never die.
I still care of you. I'm still thinking about you. And I want you to always be my beloved friend.
Words are not enough to erase the pain I have given you but I want to say how sorry I am.
If you are still angry to me, I can understand. I can even forgive myself for what I've done to you.
But deep inside, I expect you to forgive me and let's rebuild our friendship.

Lots of love

Salma
P.S. You can e-mail me at salma_24@gmail.com

Text 5

Dear Grandma,

I hope you are doing well. I missed you for my birthday party last week.
I want to thank you for the beautiful sweater you sent me for my birthday.
When I received it, I almost squealed in excitement.

Thank you for knitting such a pretty blue sweater for me. It is soft and keeps me warm at night, and it is in my favorite color too!
I will show it to all my friends once I go to school after the holidays.

I hope to come and visit you very soon, Grandma. I am eagerly waiting to meet you.

Yours lovingly,

Zizi

Text 6

A kite is an object which is made from a light material stretched over a frame. Due to its light material a kite will lift off the ground and fly when it is tilted into the wind.
A kite is uses wind to make it fly because it is heavier than air. When wind travels over the surface of the kite, it is split into two streams of air. One stream of the air goes over the kite while the second stream goes under the kite.

The upper stream above the kite. The lower stream hits the kite at a shallow angle and creates an area of high pressure.
The high pressure area has a pushing effect while the low pressure area has a pulling effect. The combination of push and pull can creates enough force to lift the kite into the air.
Kites have been known for thousand of years. They are used for military or scientific purposes. Todays kites are much used for leisure and competition.