

S. 5 BIOLOGY HOLIDAY PACKAGE.

1.
 - (a) Distinguish between oxidative phosphorylation and photo phosphorylation.
 - (b) Describe how carbon dioxide fixation occurs in a C₄ plant.
 - (c) State four differences between C₃ and C₄ plants.
2. Discuss the adaptations of epithelial tissue to their functions.
3. Assignment. Read the topic "CLASSIFICATION OF LIVING ORGANISMS" then after answer the questions that follow.
 - (a) why are viruses classified as;
 - (i) Living organisms
 - (ii) non living organisms.
 - (b) Discuss the economic importance of bacteria in nature.
 - (c) State four examples of organisms that belong to kingdom protista.
 - (d)
 - (i) Define the term alternation of generation.
 - (ii) With reference to a moss, describe how the process of alternation of generation occurs.
 - (iii) What is the importance of alternation of generation in the life history of a plant.
 - (e)
 - (i) State any four classes of organisms that belong to phylum chordata.
 - (ii) what are the characteristics of chordates.
 - (iii). State three subclasses of mammals and in each case give an example.
4. Account for the production of the **36 ATP** molecules, when a single glucose molecule is respired.

end