

CLASS X- BIOLOGY
LIFE PROCESS- NUTRITION
ASSIGNMENT-1

MULTIPLE CHOICE QUESTION 1.1

1. The raw materials for photosynthesis are
(A) CO_2 & O_2 (B) sunlight and CO_2 (C) water and chlorophyll (D) CO_2 and water.
2. Most of the photosynthesis (80%) which takes place on this earth is carried out by
(A) green plants on land (B) algae present in fresh water
(C) algae found in ocean (D) algae present in ocean and fresh water sources.
3. Which of the following has no digestive enzyme ?
(A) Saliva (B) Bile (C) Gastric juice (D) Intestinal juice
4. Plants are green in colour because
(A) they absorb green light only (B) they reflect green light
(C) they absorb green light but reflect all other lights (D) none of the above are correct.
5. Full name of NADP is
(A) Nicotinamide dinucleotide phosphate (B) Nicotine adenine dinucleotide phosphate
(C) Nicotinamide adenine dinucleotide phosphate (D) None of the above
6. Wavelength of visible light is
(A) 200 - 400 nm (B) 400 - 700 nm (C) 700 - 900 nm (D) 100 - 200 nm
7. The presence of sugar in onion leaves can be tested with
(A) iodine (B) copper sulphate solution
(C) lime water (D) Benedict's solution
8. Chemical reaction takes place during dark reaction of photosynthesis is
(A) photolysis (B) hydrolysis
(C) carbon dioxide is bonded with RUBP (D) nitrogen fixation
9. Dark reaction and light reaction of photosynthesis takes place in
(A) stroma and grana of chloroplast respectively (B) grana and stroma of chloroplast respectively
(C) grana only (D) stroma only
10. CO_2 acceptor during dark reaction of photosynthesis is
(A) RUBP (B) PEP (C) NADPH (D) ATP

SUBJECTIVE QUESTIONS 1.2

VERY SHORT ANSWER TYPE QUESTIONS

1. Define photosynthesis ?
2. Name the different modes of nutrition and classify them with one example of each ?
3. Name the site of light and dark reaction of photosynthesis ?

LONG ANSWER TYPE QUESTIONS

4. Explain how water and temperature influence the rate of photosynthesis ?
5. Describe the structure and role of chloroplast along with a well labelled diagram ?
6. Describe the mechanism of photosynthesis ?
7. Explain the process of 'Photosynthesis' in plants. List four factor which influence this process and describe how each of them affects the rate of the photosynthesis. [Delhi, 2018]
8. Explain the following aspects of photosynthesis in plants :
 - (i) The role of chlorophyll
 - (ii) Dark reaction
 - (iii) Calvin - Benson Cycle.