

8.	How many Calvin cycles are required to produce 5 molecules of glucose?			
	a) 60	b) 15	c) 30	d) 90
9.	During light reaction of photosynthesis a) ADP is phosphorylated and NADPH oxidised b) ADP is phosphorylated and NADP reduced c) ADP is phosphorylated and NADPH reduced d) ATP is phosphorylated and NADPH reduced The ATP production in photosynthesis is called			
	a) Phototropism c) Photooxidation		b) Phosphorylation d) Photophosphorylation	
11.	Who described the first action spectrum of photosynthesis?			
	a) Sachs	b) Engelmann	c) Arnold	d) Von Helmont
12.	Who provided the eviden	ce for the production of glu	ucose when plant grows? c) Lavoisier	d) Von Helmont
	aj julius von suche	b) stephen nales		
13.	Which of the following is	used during discovery of C	alvin cycle?	d) Chlorella
	aj spilogyla		cj cinanyuononas	uj chiorena
14.	The movement of electro a) Up hill in terms of redo c) Either (a) or (b)	n <mark>s in ETC in light r</mark> eaction i ox reaction	s? b) Down hill in terms of redox reaction d) Both (a) and (b)	
15.	The wavelength of light a a) 640 nm	b <mark>sorbe</mark> d by P <sub>r</sub> from of phyt b) 680 nm	cochrome is c) 720 nm	d) 620 nm
16.	In $C_4$ - plants, the carbon $\alpha$ a) Guard cells	lioxide fixation accurs in b) Spongy cells	c) Palisade cells	d) Bundle sheath cells
17.	What is the name given to the flattened membranous sacs which are embedded in the matrix of the chloroplast?			
	a) Thylakoids	b) Granum	c) Stroma	d) Mesophyll cells
18.	<ul> <li>C<sub>4</sub>-plants are more efficient in photosynthesis than C<sub>3</sub> plants due to</li> <li>a) Higher leaf area</li> <li>b) Presence of larger number of chloroplasts in the leaf cells</li> <li>c) Presence of thin cuticle</li> <li>d) Lower rate of photorespiration</li> </ul>			
19.	Which of the following is a) RuBP carboxylase	maximum in chloroplast? b) Hexokinase	c) Phosphatase	d) Nuclease

20. Photolysis of water releases
I. electron
II. proton
III. oxygen
Select the correct option
a) I and II
b) II and III

c) I and III

d) I, II and III

