

	Question image	
CL11-BIOLOGY-CH3-P44-Q1	1. What is the basis of classification of algae?	PBIO4
CL11-BIOLOGY-CH3-P44-Q2	2. When and where does reduction division take place in the life cycle of a liverwort, a moss, a fern, a gymnosperm and an angiosperm?	PBIO12
CL11-BIOLOGY-CH3-P44-Q3	3. Name three groups of plants that bear archegonia. Briefly describe the life cycle of any one of them.	PBIO8
CL11-BIOLOGY-CH3-P44-Q4	4. Mention the ploidy of the following: protonemal cell of a moss; primary endosperm nucleus in dicot, leaf cell of a moss; prothallus cell of a fern; gemma cell in <i>Marchantia</i> ; meristem cell of monocot, ovum of a liverwort, and zygote of a fern.	PBIO4
CL11-BIOLOGY-CH3-P44-Q5	5. Write a note on economic importance of algae and gymnosperms.	PBIO8
CL11-BIOLOGY-CH3-P44-Q6	6. Both gymnosperms and angiosperms bear seeds, then why are they classified separately?	PBIO3
CL11-BIOLOGY-CH3-P44-Q7	7. What is heterospory? Briefly comment on its significance. Give two examples.	PBIO10 / PBIO13

CL11-BIOLOGY-CH3-P45-Q8	8. Explain briefly the following terms with suitable examples:- (i) protonema (ii) antheridium (iii) archegonium (iv) diplontic (v) sporophyll (vi) isogamy	PBIO8 / PBIO13										
CL11-BIOLOGY-CH3-P45-Q9	9. Differentiate between the following:- (i) red algae and brown algae (ii) liverworts and moss (iii) homosporous and heterosporous pteridophyte (iv) syngamy and triple fusion	PBIO11										
CL11-BIOLOGY-CH3-P45-Q10	10. How would you distinguish monocots from dicots?	PBIO12										
CL11-BIOLOGY-CH3-P45-Q11	11. Match the following (column I with column II) <table><tr><td>Column I</td><td>Column II</td></tr><tr><td>(a) <i>Chlamydomonas</i></td><td>(i) Moss</td></tr><tr><td>(b) <i>Cycas</i></td><td>(ii) Pteridophyte</td></tr><tr><td>(c) <i>Selaginella</i></td><td>(iii) Algae</td></tr><tr><td>(d) <i>Sphagnum</i></td><td>(iv) Gymnosperm</td></tr></table>	Column I	Column II	(a) <i>Chlamydomonas</i>	(i) Moss	(b) <i>Cycas</i>	(ii) Pteridophyte	(c) <i>Selaginella</i>	(iii) Algae	(d) <i>Sphagnum</i>	(iv) Gymnosperm	PBIO16
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CL11-BIOLOGY-CH3-P45-Q12	12. Describe the important characteristics of gymnosperms.	PBIO8										