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Sub. Biology

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3. Plants are autotrophic. Can you think of some plants that are partially heterotrophic?

Insectivores and carnivores plants are partially heterotrophic, these beings are green and autotrophic but for their nitrogen supply, they prey and digest small entities. Ex; *Utricularia*, *Drosera*, *Nepenthes*.

4. What do the terms phycobiont and mycobiont signify?

Lichens are the symbiotic association of fungi and algae. Phycobiont is algae part and mycobiont is fungi part of the association. Mycobiont provides a structural covering that protects algae from the unfavorable condition. Similarly Phycobionts prepares food by the process of photosynthesis, which will be utilized by both the organisms.

5. Give a comparative account of the classes of Kingdom Fungi under the following: (i) mode of nutrition (ii) mode of reproduction

	Phycomycetes	Ascomycetes	Basidiomycetes	Deuteromycetes
Mode of reproduction	Asexual reproduction by zoospore (motile) Aplanospore (nonmotile) Sexual reproduction – zygote can be similar or dissimilar in morphology	Through asexual spores called conidia and sexual spores are known as ascospores	By vegetative reproduction through budding. Fusion of two somatic cells for the formation of basidiospores is Plasmogamy	Through asexual spores called conidia.
Mode of nutrition	Saprophytic or parasitic	Decomposers, Saprophytic or parasitic or coprophilous	Saprophytic	Decomposers, Saprophytic or parasitic