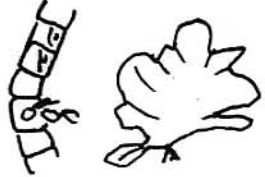











DEPARTMENT OF BIOLOGICAL & CHEMICAL SCIENCES

BL 14A - BIODIVERSITY I: THE PLANT KINGDOM

ALTERATIONS OF GENERATION IN THE PLANT KINGDOM

	ALGAE	BRYOPHYTES	FERNS	GYMNOSPERMS	ANGIOSPERMS
GAMETOPHYTE	 <p>Unicell to simple thallus</p>	 <p>Long-lived, alga-like but with cuticle and sex organs</p>	 <p>Short-lived. Alga-like but with cuticle and sex organs</p>	 <p>Reduced and internal to spores</p>	 <p>Reduced and internal to spores. Double fertilization</p>
SPOROPHYTE	 <p>Unicell to complex thallus</p>	 <p>Short-lived; dependant on gametophyte</p>	 <p>Dominant, independant. True roots, leaves and stele.</p>	 <p>Dominant, independant. True roots, leaves and stele. 2° growth in some</p>	 <p>Dominant, independant. Vessels and 2° growth in most.</p>