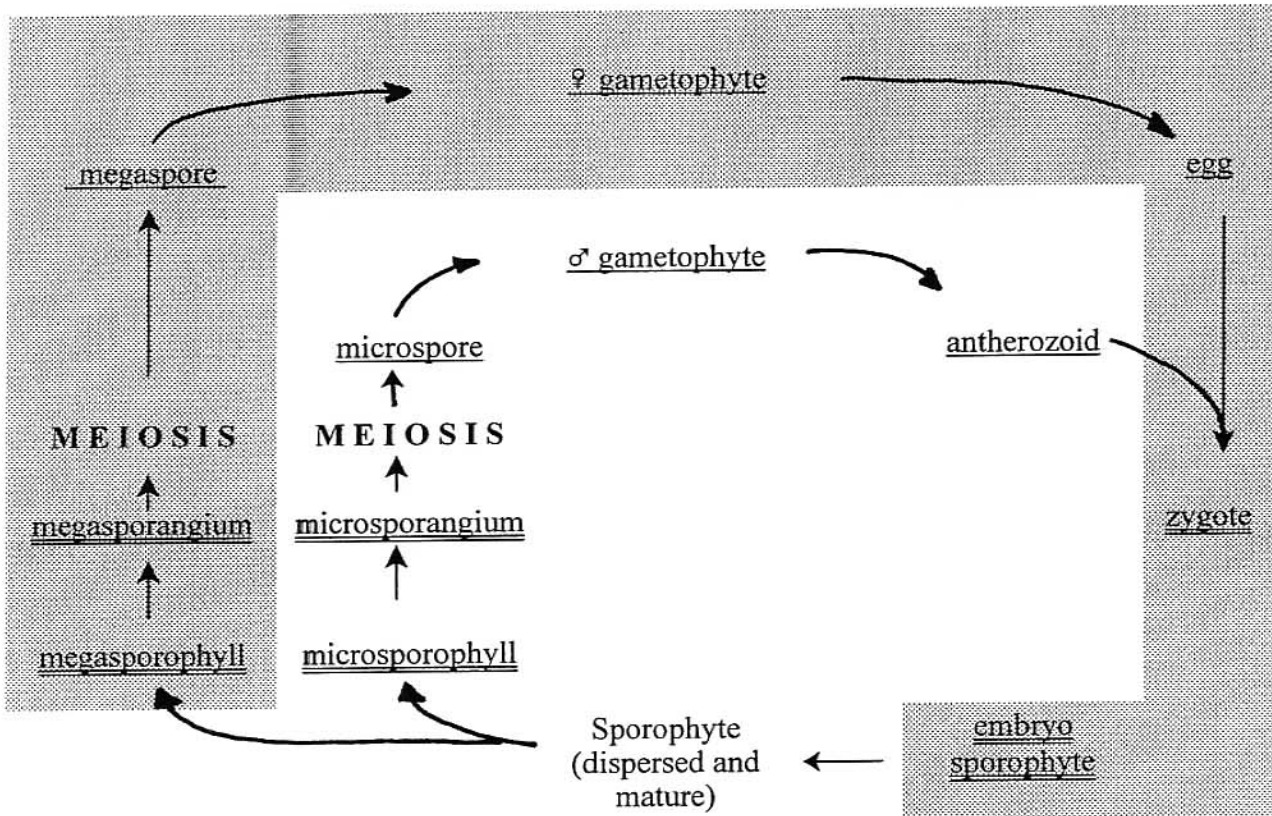


**UNIVERSITY OF THE WEST INDIES
CAVE HILL CAMPUS**

DEPARTMENT OF BIOLOGICAL & CHEMICAL SCIENCES

BL 14A - BIODIVERSITY I: THE PLANT KINGDOM

LIFE CYCLE OF A SEED PLANT



Stages within the shaded area together comprise the seed. Single underlining denotes haploid stages, double underlining indicates diploid stages.

EQUIVALENT TERMS IN LOWER PLANT AND SEED PLANTS

<u>Lower Plants</u>	<u>Gymnosperms</u>	<u>Angiosperms</u>
female gamete	egg cell	egg cell
female gametophyte	endosperm	polar nuclei, synergids etc.
megaspore	megaspore	embryo sac
megasporangium	nucellus	nucellus
megasporophyll	female cone scale	carpel
male gamete	male nucleus	male nucleus
male gametophyte	tube, generative & prothallial cells	veg. & generative nuclei
microspore	pollen grain	pollen grain
microsporangium	pollen sac	pollen sac (of anther)
microsporophyll	male cone scale	stamen
sorus/strobilus	cone	flower