Plants 4

send answer to iClicker Question 14A now.

Be sure to have:

- peanut

- cup

- Angiosperms II
 - life cycle
 - animation
 - flowers
 - Fruits
 - peanut demo
- S'phyte/G'phyte review
- iClicker Question 14B

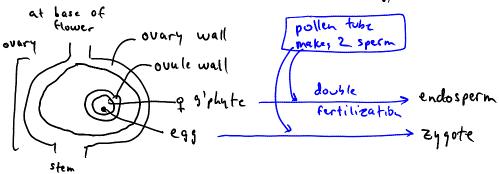
Due in lab this week:

- ⇒ Plant Diversity pre-lab (Lab Manual p 87 and on-line)
- ⇒ Eukaryotic Cells lab report

Current Research #1 Due in lecture Friday 3/12 (see website for Plants 3 lecture if you didn't get a copy)

Angiospern life cycle - same as gymnospern, except

- · pollen made in anther (not of cone) 3 usually both . megaspore, etc made in ovary (not q cone) 3 in same flower
- usually self in-fertile (to prevent in breeding)



then

endosperu <u>consumea)</u> cotaledon (s) seed

2410te _____ embryo

fruit structure ex. peanut

shell "wrintly outside" = fruit - (former ovary wall) (not present

"red paper" = seed coat = (former oulle wall)

2 'pieces" = cotyledons = food reserves

(former q g'phyte)

embryo = immature s'phyte

<u>Puzzle</u> peanut is fruit found underground

- why is that susprising?

Plant buries fruit as it forms

Angisspern advantages (us. pines)

O flower is pollinated by animals (mostly)

+ more efficient than wind

* specialize for unique pollihators (co-evolution
interacting species evolve together)

attracting pollinators - colors, shapes, & smells

@ fruits - protection for seed i extra food
- dispersal by herbivores (eat édeposit seeds in feces)

Revie	w			
	Moss	fern	pine	angiosperm
siphy fe	ting Stack	most of plant	most of plant	most of plant
q' phyte	a, t, t, hput wost of	ting é underground p co, qu	5 = pollen P in ouvle	S= pollen g in ovule
the for fertil?	Υ	y	N	\sim
dispersed by?	Spore s	Spaces	Seeds	Seeds

yes

yes