Plants 1

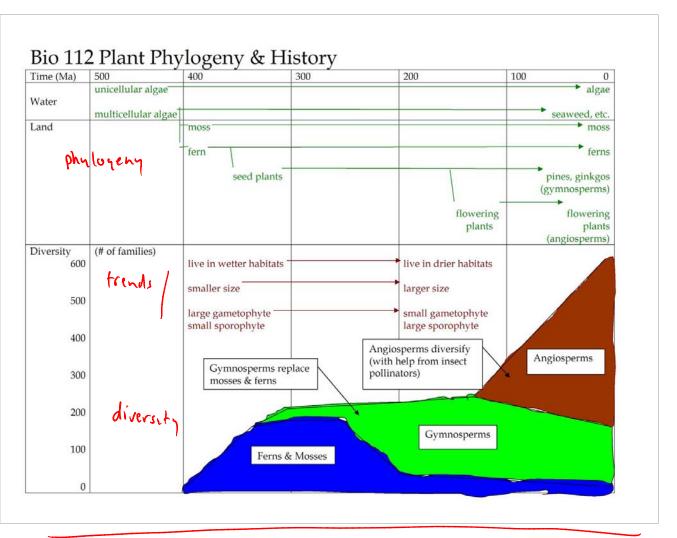
- send answer to iClicker Question 11A now.
- Exam 1 comments
- plant phylogeny/history
- life cycles
 - definitions & processes
 - animals vs. plants
 - genetics
- iClicker Question 11B

Due in lab this week:

- ⇒ pre-lab for Eukaryotic Cells (lab manual p 75 and on-line)
- ⇒ Aipotu IV lab report

Start thinking about the Phylogenetic Collection Lab (16 phyla)





Life cycles

1) definit ions:

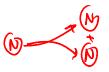
difloid - has 2 copies of each chromosome (2N)
: has 2 copies of each gene : AA, Aa, aa

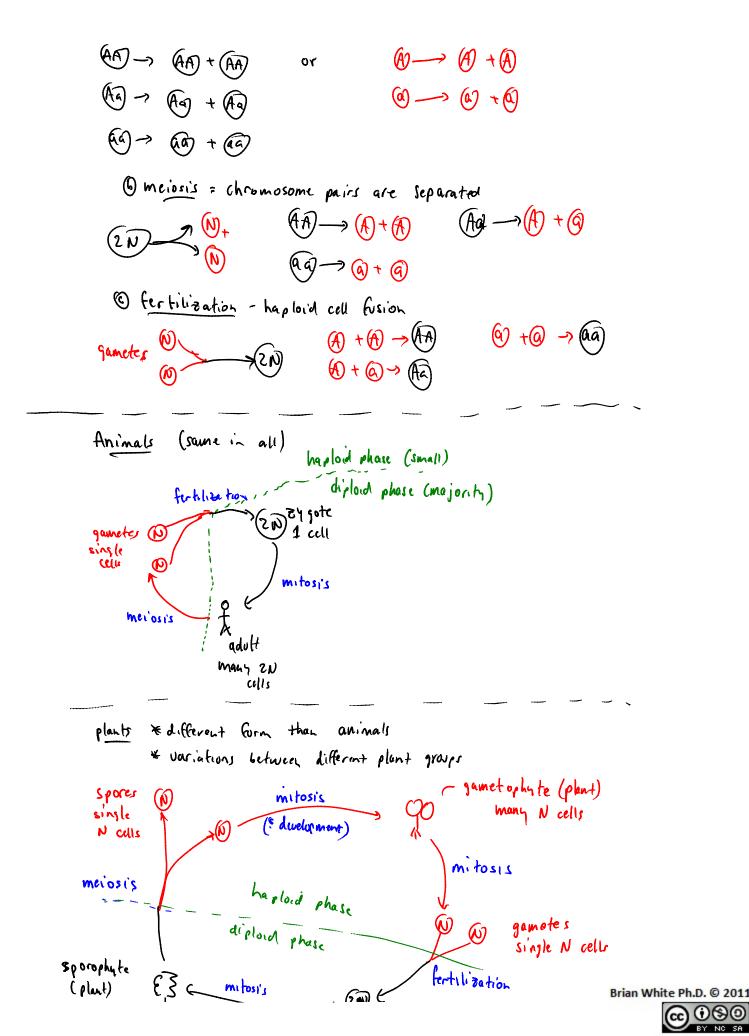
haploid - has 1 copy of each chromosome (N) : has I copy of each gene : A or a only

Oprocesses: (see Bio III website for animations)

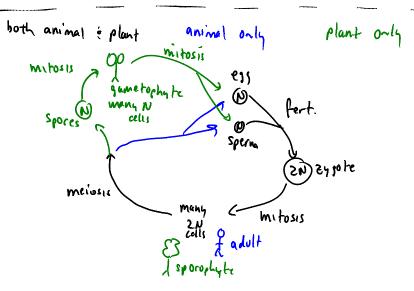
a) mitosis "cell division" = exact duplication











genetics consider I gene with 2 alleles (in law)

allele contribution to phenotype

D normal color @ dominant

d poller-dot color @ recessive

gametophyte = "the plant that makes gametes" "g-phyte"

all cells N

geno types only D @ or d @ or

grows from spores; makes gametes

sporoghyte: "plant that makes spores" 's-phyte'

all cells 2N

geno types: Do, Dd or Sold

geno types: D