

Anne-Britt

2-27-91

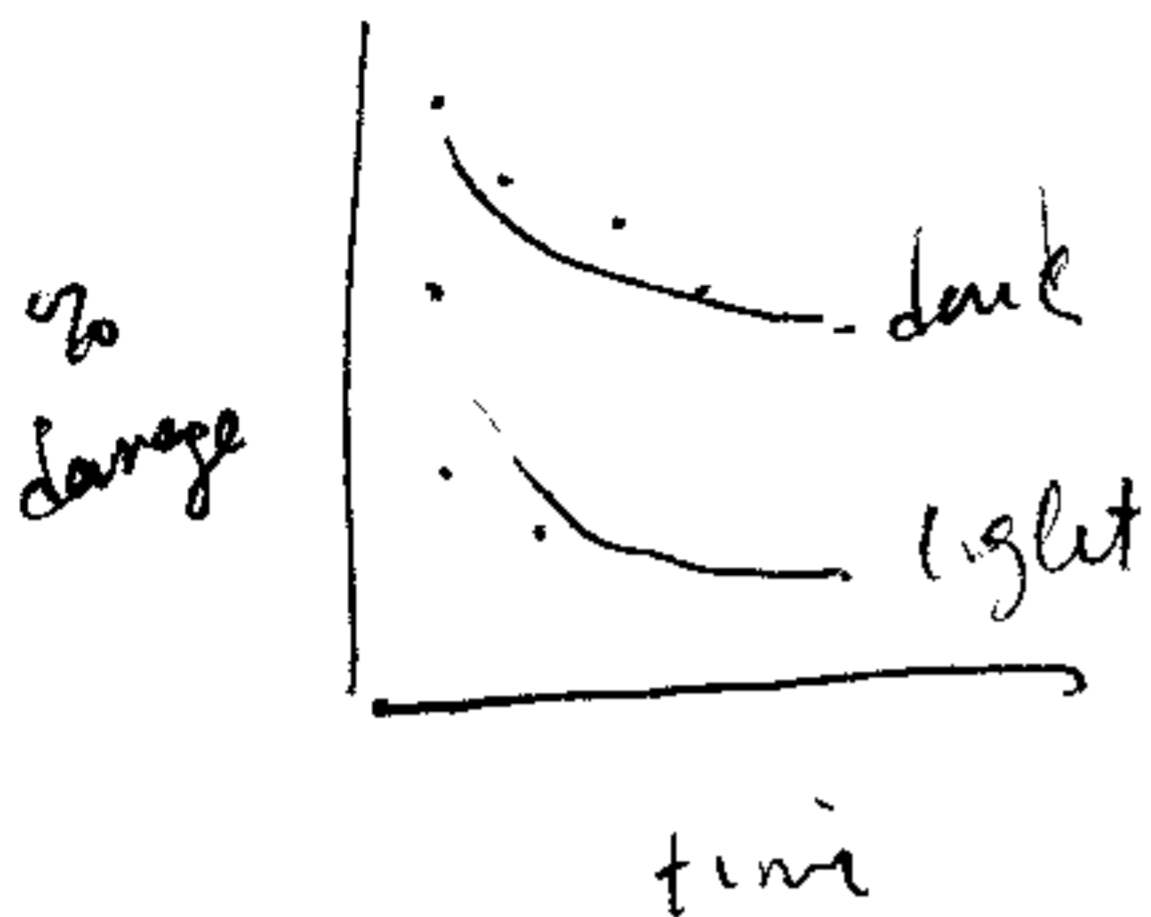
Why plants?

- different development
 - most cells are totipotent
 - many more cell division to germline
 - low limit # of mutations
- haploid life cycle allows selection against deleterious mutations

So length of haploid phase is important.

Plant tumors - no metastasis so not bad

6-45



Mitochondria -- no detectable repair
plastid -- none either

Arabidopsis

urr3 -- defective in G-Y PHR

urr2 -- defective in CPD

Double-Strand Breaks

← w/ would NER genes have role
in DSB

• what about induction

RAP80
RAP80^b
RAP80^y
RAD