Evol. Test Review Notes - per. 3
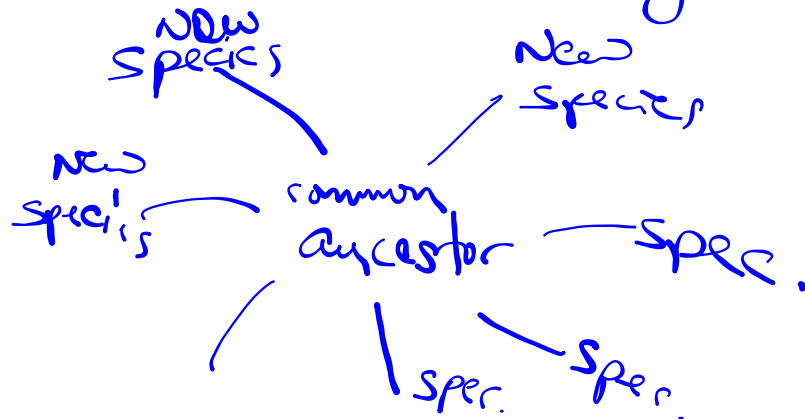
1. Mass ext -
    ex: dinos
    cause - extreme changes
            in env.

2. adaptive radiation

ex: lemurs — Madagascar

New
species

New
species

New
speci's

common
ancestor — spec.

spec.

spec.

3. CONVERGENT Evol.
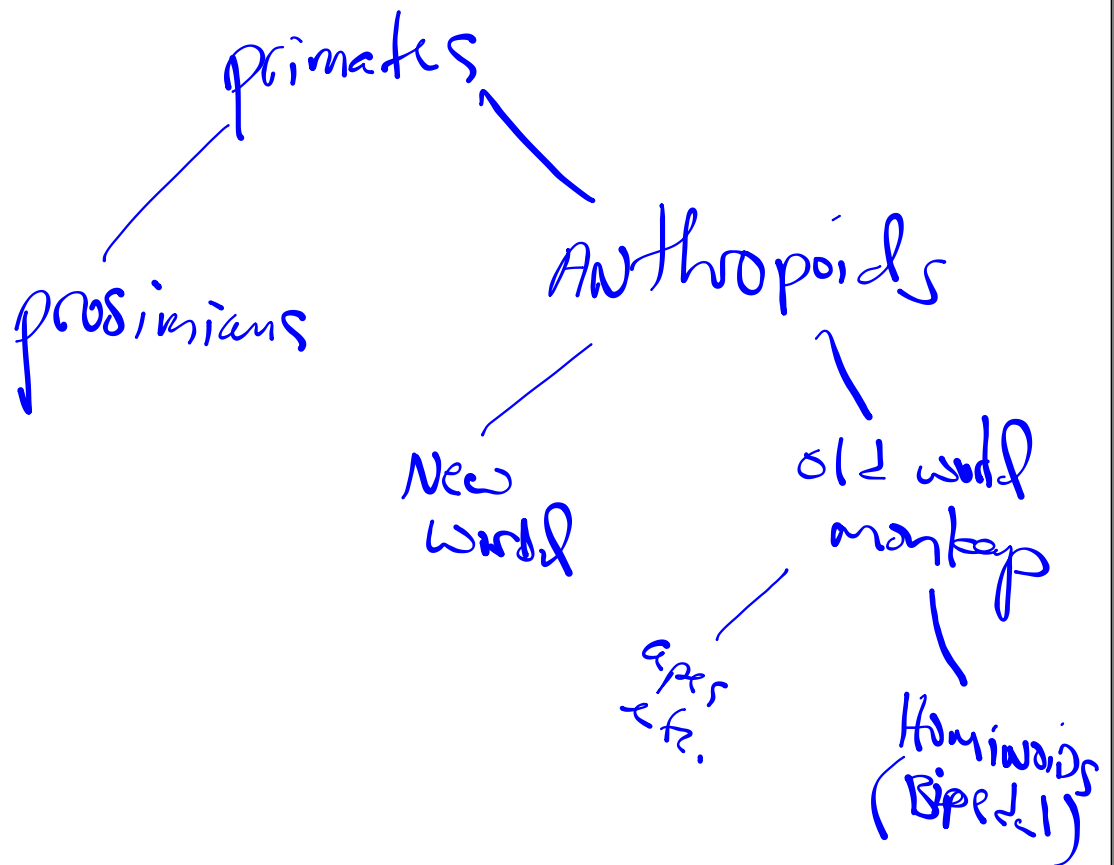
   EX: Shark + dolphin

    — have evolved in same
      environmt. so Nat.
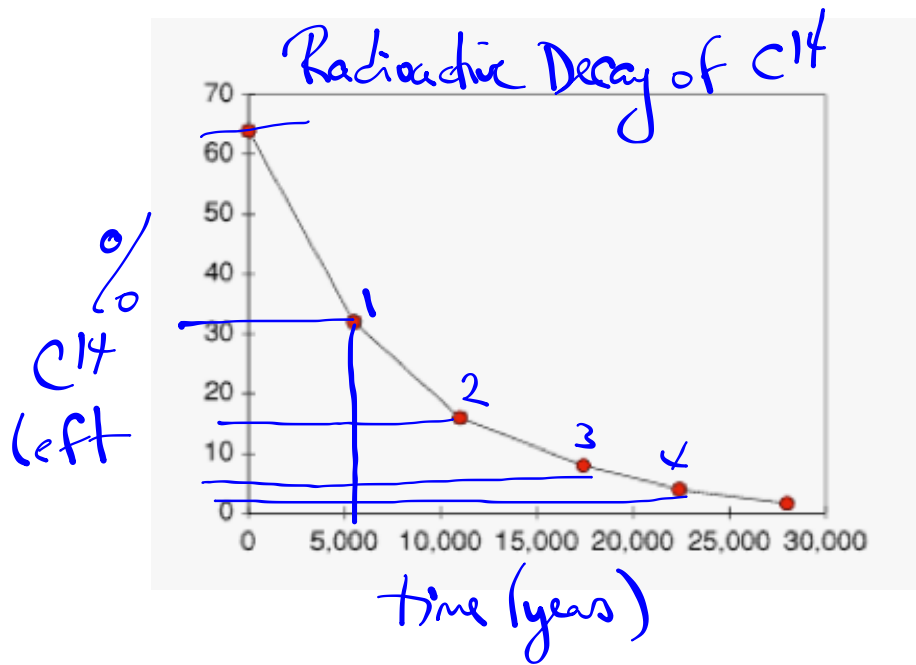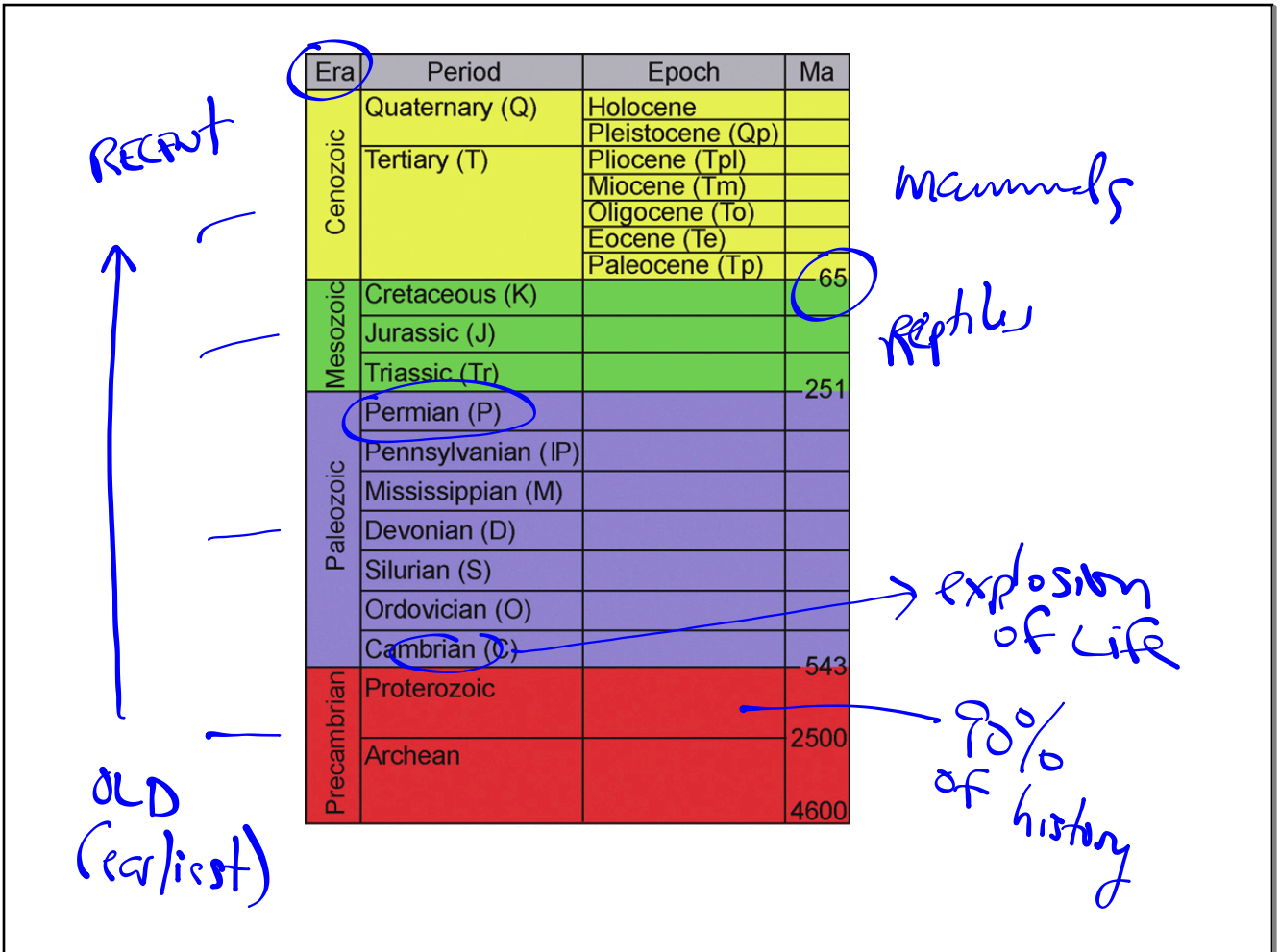   Sel. favoring Similar
      traits

4. Coevolution

EX: plants → develop poison

+

insects that eat plants → then, develop resistance

5. punct. EQUILIB. –

   Long stable periods –
   v. little evol.,
   interrupted by periods
   of rapid evol.

primates

prosimians

Anthropoids

New World

Old world monkeys

apes etc.

Hominoids (Bipedal)

Radioactive Decay of C14

% C14 left

time (years)

Era	Period	Epoch	Ma
Cenozoic	Quaternary (Q)	Holocene	
		Pleistocene (Qp)	
	Tertiary (T)	Pliocene (Tpl)	
		Miocene (Tm)	
		Oligocene (To)	
		Eocene (Te)	
		Paleocene (Tp)	65
Mesozoic	Cretaceous (K)		
	Jurassic (J)		
	Triassic (Tr)		251
Paleozoic	Permian (P)		
	Pennsylvanian (IP)		
	Mississippian (M)		
	Devonian (D)		
	Silurian (S)		
	Ordovician (O)		
	Cambrian (C)		543
Precambrian	Proterozoic		2500
	Archean		4600

Handwritten annotations: RECENT; OLD (earliest); mammals; reptiles; → explosion of Life; 90% of history

Relative dating —

EX:

Rock
Beds

B

A

↑ NEWER

OLDER