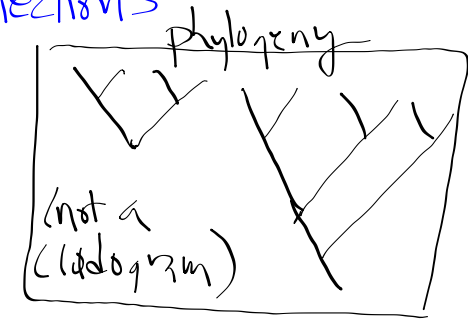
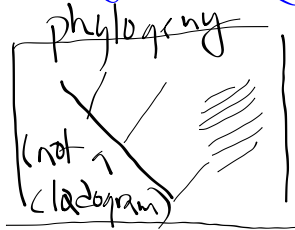
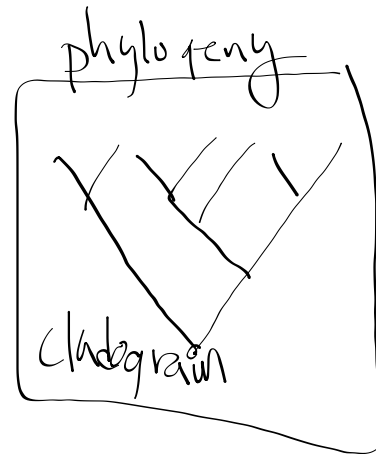


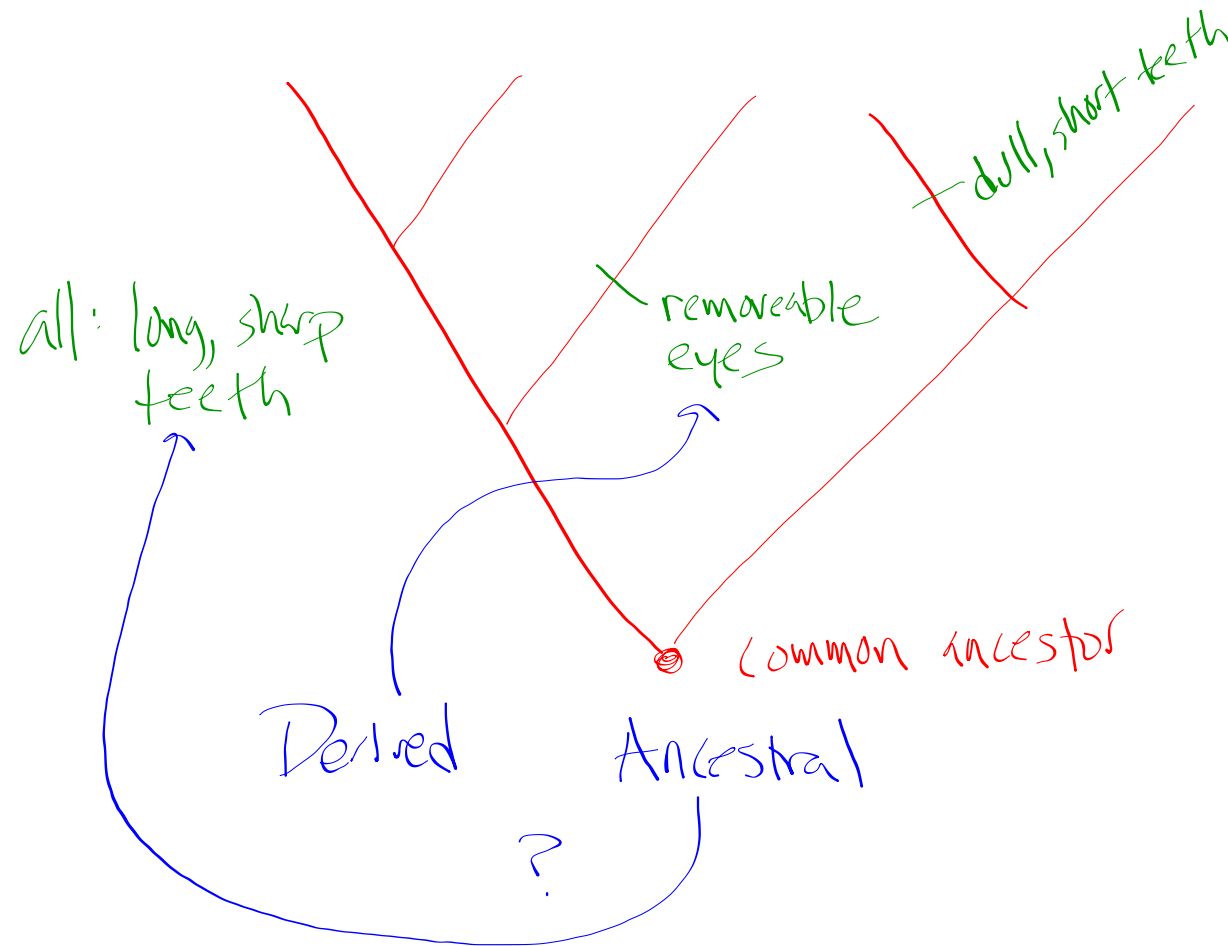
Phylogeny: A diagram (phylogenetic tree) that shows evolutionary connections between related organisms.



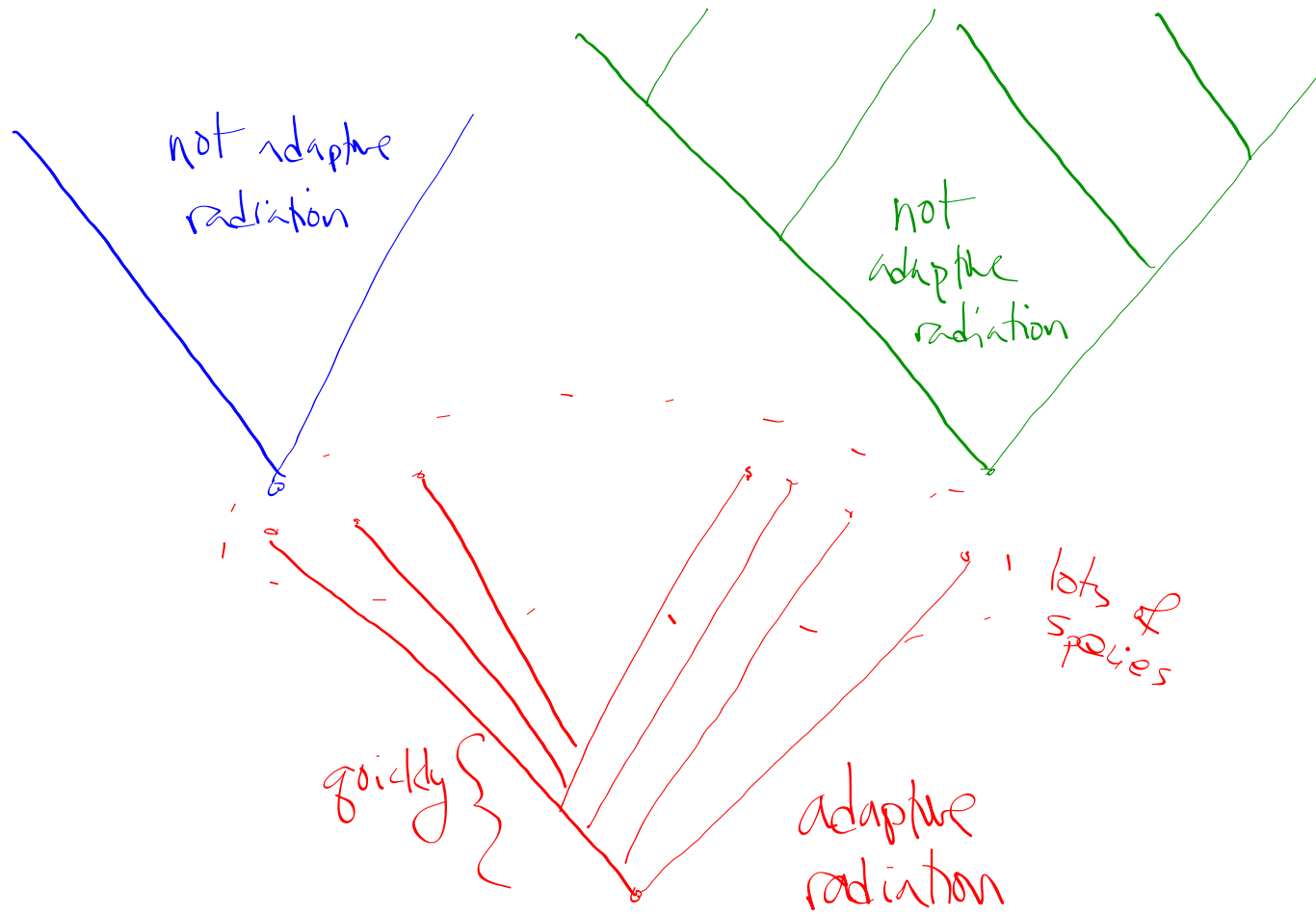
Cladogram: A phylogeny that shows:

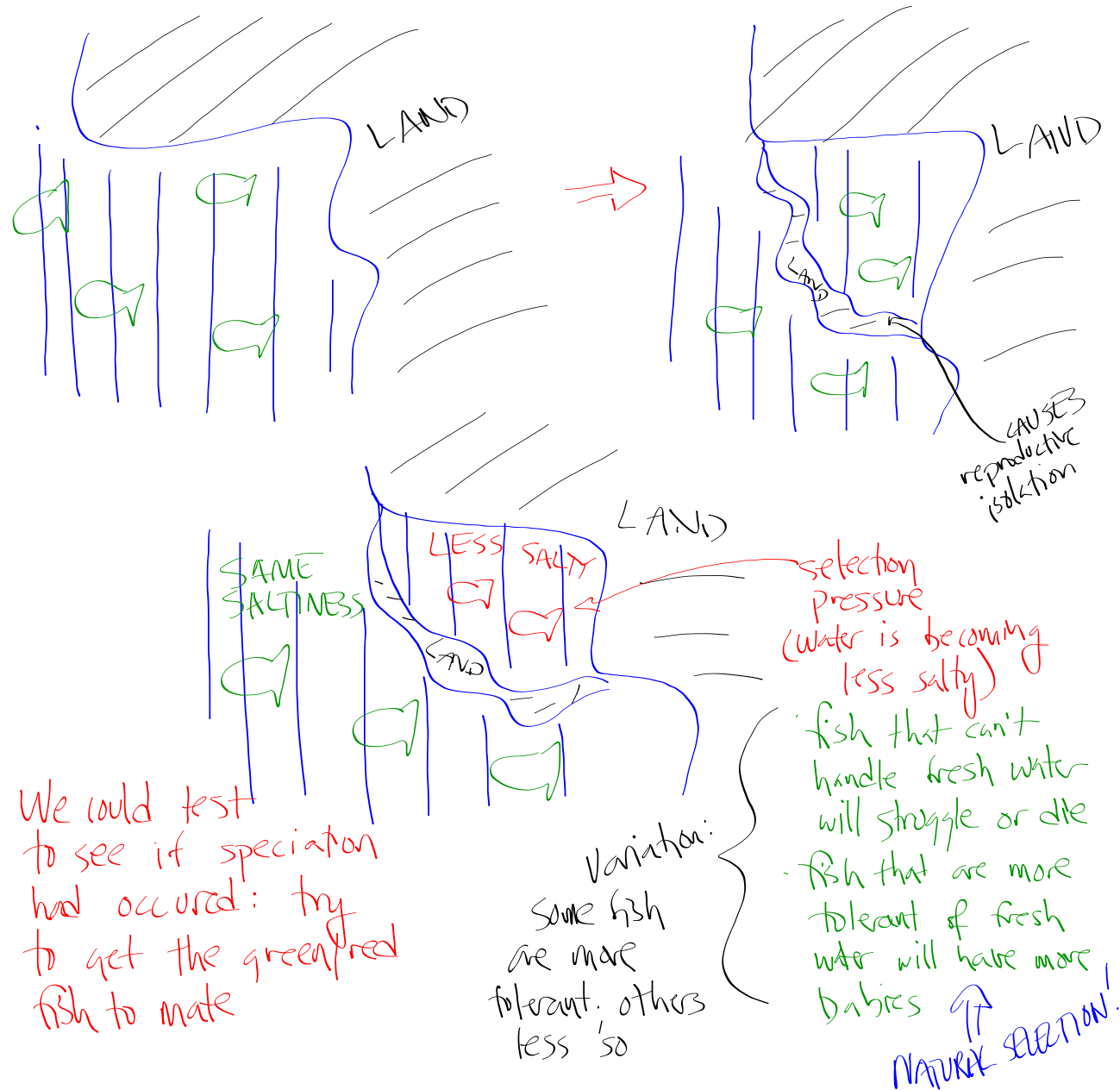


- A common ancestor to a group of organisms
- All the descendants of that common ancestor



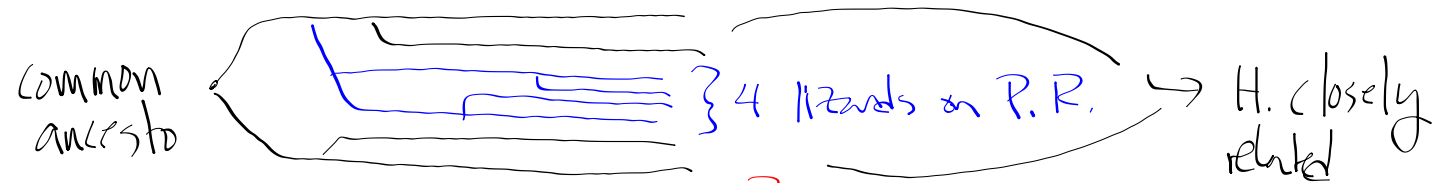
- Start with a group!
- Does the common ancestor have the trait?
YES - ancestral
NO - derived





Lizards:

How are the lizards on the two islands related?



What is an "ecomorph"?

An organism that has a similar niche to a different organism in a different location