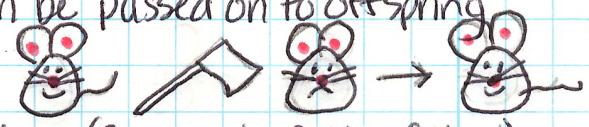


- PROOF**
- + Fossil - rock, tar, amber or ice (remains/structure preserved)
 - + Comparative Biochemistry - Nucleic acid → Proteins → Enzymes
 - + Cell structures (organelles)
 - + Anatomy - Homologous (arm + wing), Analogous (wing + wing), Vestigial (appendix)
 - + Embryology - Longer look similar in development the closer related.

THEORIES

Lamarck - Use + Disuse (Inheritance of acquired characteristics)
 Change due to need. Once acquired can be passed on to offspring

Weismann proved not true with mice 

Darwin (Wallace) Theory of Natural Selection (Survival of the fittest)
 Change by chance: If variation favorable → survival + reproduction
 Overproduction → Competition → Survival → Reproduction → speciation
 *Variation?

Modern Theory - mutations explain ↑ variation that Darwin didn't know why. (See last unit)

