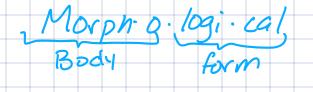
Lines of evidence

Morphological Evidence

Shared deep body structures are evidence of shared ancestry

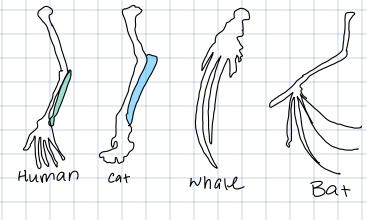
Appearance and function avent necessarily



Anatomical Record

>> Homologus structures La Similavities in characteristics resulting from Common ancestry

>> Similar Structure 77 Similar Development >> Different function >> Evidence of evolutionary relationship



### Analogous Structures

- 77 Seperate evolution of structures
  - = similar functions
  - = Similar external form
  - = Different internal structure / development
  - = Different origin
  - = No evolutionary relationship

Ex: Dolphin's and Shark's Dorsal Fins

>> Modern structures that have reduced or no function = Deletarious mutation accumulate ingenes for non-critical structures without reducing fitness



# Molecular Evidence >> Evidence from genes and proteins >> Most powerful and commonly used >> Data is so vast >> Easily Quantifiable

## Conservation Highly saved organs | body parts

Conserved Structures



## Molecule Record

>> Mole rule evidence demonstrates the relate doess

of all life

>> Universal Genetic code is the most conserved structure