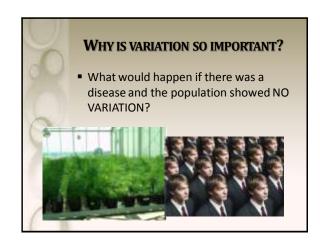
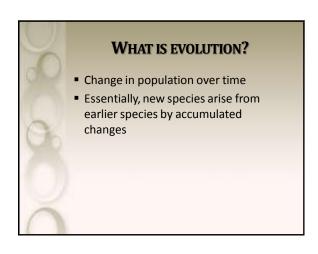
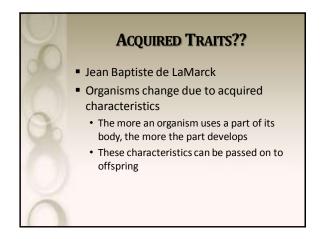
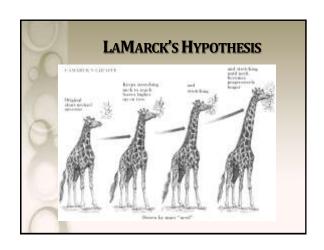


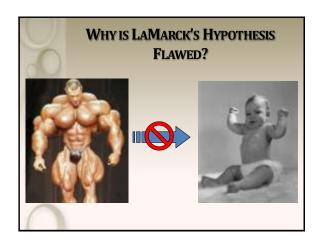
GENETIC VARIATION - different alleles within the population→ many different phenotypes - Sources - Mutations = new alleles - Sexual reproduction = new allele combinations



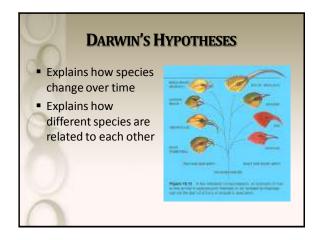


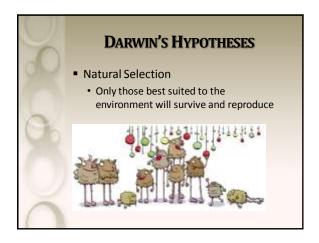


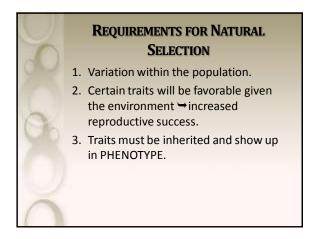




WHY WAS LAMARCK WRONG? Acquired Traits = not coded in DNA; gained during lifetime Acquired traits CANNOT be passed to offspring







REQUIREMENTS FOR NATURAL **SELECTION** Better reproductive success → passing on the genes for favorable traits.

- 5. Favorable traits accumulate in the
- population \Rightarrow the population adapts.



