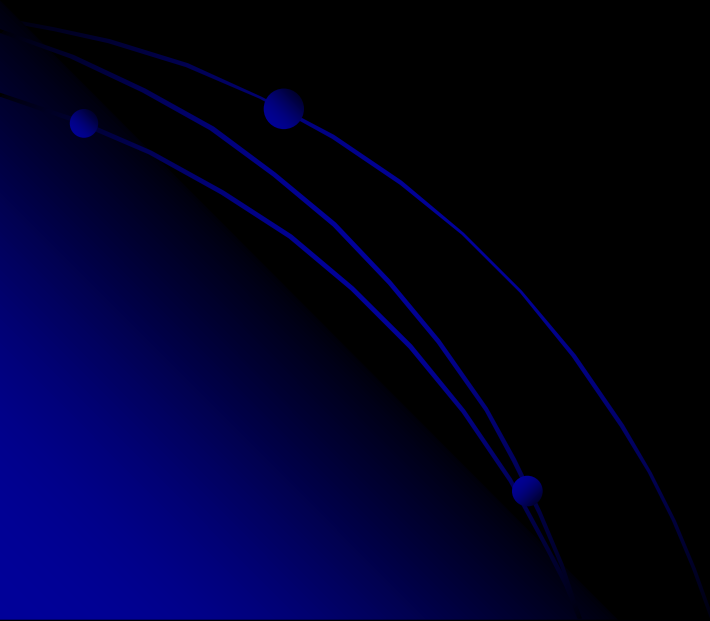


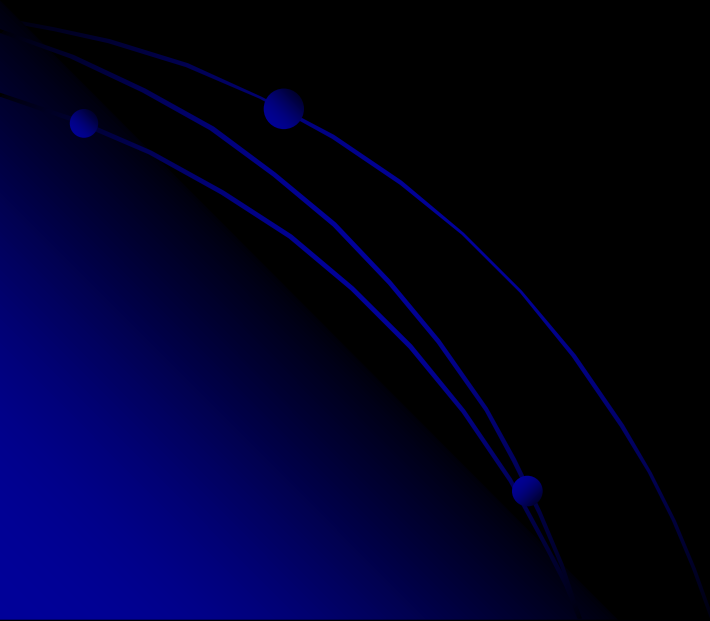
Evolution

Introduction



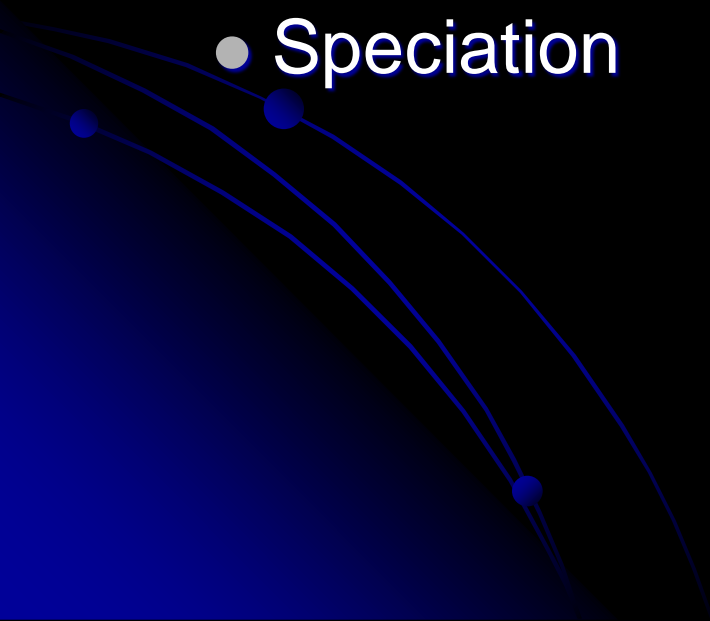
What is Evolution?

- Describe it
- What causes it?

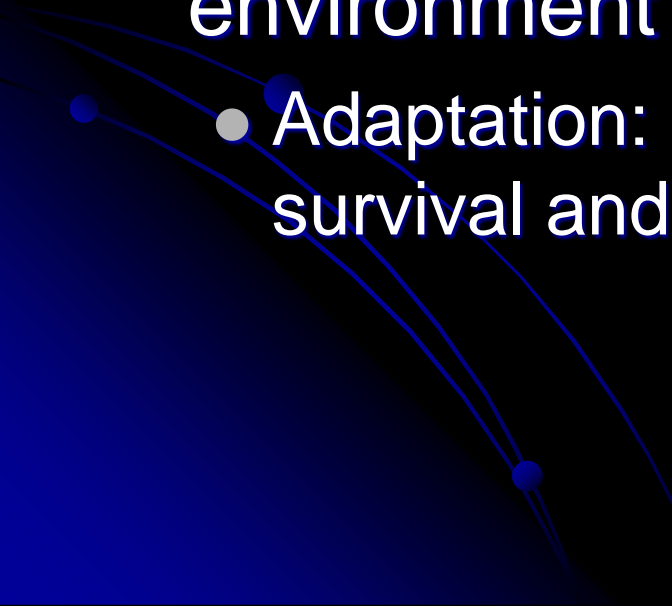


Evolution Topics

- Evidence for evolution
- Microevolution
 - What is this?
- Macroevolution
 - Speciation



Adaptation & Change

- All living things are different
 - Diversity
 - Many living things have similarities
 - All living things are “adapted” to their environment
 - Adaptation: a trait or set of traits that improves survival and reproduction
- 

What similarities are obvious? How are they different?
How is each adapted to its habitat?



Buffalo herd grazing and milling about, Umfolozi Game Reserve, KwaZulu-Natal, South Africa


Evolution

- Cumulative changes in characteristics of populations of organisms in successive generations
 - This does not include individual change or development

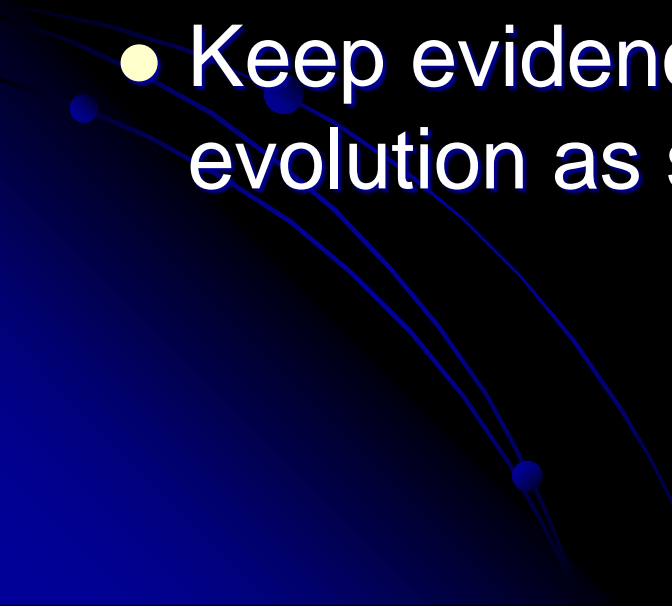


≠ Evolution

How is this Evolution?

- Lyrebird Evolution
 - Hint: Female Lyrebirds do not sing this way
 - Males attract mates by singing
 - Females prefer partners that can sing
 - Over time, their songs have become more elaborate
 - Mimicry
- 

Evidence of Evolution

- Rocks, fossils
 - Comparative anatomy, embryology
 - Geographic distribution
 - Genetics
 - Keep evidence and mechanisms of evolution as separate thoughts...
- 

Evidence of Evolution

- Complete the Evidence of Evolution homework

