

# Introduction for Biology 201

## A. Evolutionary Milestones

1. Life arose from nonlife – Now all cells come from cells! Why?
2. First organisms were single cells
3. Photosynthesis and sex changed everything
4. Eucarya are “cells within cells”
5. Multicellularity took off later, increasing the complexity of life

## B. Biological Diversity

1. Domains vs. Kingdoms

## C. Fundamental Concepts used throughout

1. Natural Selection
2. Hypothesis testing/Deductive reasoning
3. Emergent Properties
4. Hierarchical Organization