Genetic Terms

o Chromosomes	o Cell Cycle
o Autosomal / X Chromosomes	o Interphase (stages) / Mitosis (stages)
o Homologous Chromosomes	o Meiosis (stages)
o Sister / Non-sister Chromatids	o Crossing-over / Recombination
	o Independent Assortment
o Gene / Allele	o Gamete
o Locus	o Genotype Ratio
o Haploid / Diploid	o Phenotype Ratio
o Dominant / Recessive	o True-breeding / Pure-breeding
o Mutation	o Test Cross
o Linkage (physical)	o Pedigrees & Modes of Inheritance
o X-linked or sex linked	

Evolution Terms

o Evolution	o Homologies
o Natural Selection	o Disruptive Selection
o Stabilizing Selection	o Directional Selection
o Sexual Selection	o Fitness
o Genetic Variation	o Genetic Drift
o Gene Flow	o Mutations
o Morphological Species Concept	o Biological Species Concept
o Ecological Species Concept	o Phylogenetic Species concept
o Phylogeny	o Synapomorphy
o Clade / Monophyletic Group	o Most recent common ancestor
o Allopatry	o Sympatry
o Genetic Isolation	o Reproductive isolation
o Prezygotic barriers	o Postzygotic barriers

Ecological Terms

o Abiotic Factor	o Biotic Factor	o Range of Tolerance
o Abundance	o Distribution	o Dispersal
o Population Size	o Population Density	o Lincoln-Petersen Index
o Population growth (absolute)	o per capita growth rate (r)	o per capita birth rate
o per capita death rate	o Exponential Growth	o Logistic Growth
o Carrying capacity	o Density independent growth / lfactor	o Density dependent growth / factor
o Life history traits	o Survivorship curves / survivorship	o Fitness trade-offs
o r-selected life histories	o K-selected life histories	o Species interactions
o Amensalism	o Commensalism	o Mutualism
o Consumption (predation, parasitism, herbivory)	o Competition	o Niche – Fundamental and Realized
o Limited resources	o Competitive Exclusion	o Niche partitioning
o Community disturbance	o Succession (1° and 2°)	Pioneering, early successional species
o Mid successional species	o Late succession species	o Climax community
o Ecosystem	o Food web	o Trophic Levels
o Producers	o Consumers	o Detritivore/Decomposer
o Detritus	o Biomasss	o Energy Flow/Energy Loss
o Carbon cycle	o Nitrogen Cycle	o Fixation
o Limiting Factors	o	o