

EVOLUTION REVIEW- VOCABULARY & CONCEPTS

fossils
sedimentary rock
homologous structures
vestigial structures
embryology
biochemistry (proteins, amino-acid sequences)

Theories- Darwin (4 points) and Lamarck
species vs. population
adaptation
variation
gene pool
gene frequency (alleles=forms of a gene)
genetic equilibrium (Hardy-Weinberg principle)

Violations of genetic equilibrium
 migration
 mutation
 genetic drift
 nonrandom mating
 isolation- geographic & reproductive
 natural selection

types of natural selection- (directional, disruptive, stabilizing, sexual)

divergent evolution
adaptive radiation
speciation
morphological structures
biodiversity

cladogram (phylogenetic tree)
degree of kinship
phylogeny