

EVOLUTION CONCEPT MAP

Chapters 22-25

Your task is to create one or a couple concept maps to show how the concepts are related. Include a brief description of the concept in the text box (shape) and put words on the arrows to show why you linked the certain concepts together.

Use your book, online activities, study guide to create your concept map. You need to read, process, and think how these concepts relate to how and why organisms change through time.

CONCEPTS TO INCLUDE:

natural selection
evolutionary adaptation
paleontology
catastrophism
gradualism
uniformitarianism
Lamarck's idea of evolution
Darwin
descent with modification
Origin of Species
artificial selection
natural selection
homology
homologous structure
vestigial organs
molecular homologies
biogeography
endemic species
microevolution
population genetics
gene pool
Hardy-Weinberg equation
Hardy-Weinberg equilibrium
(5 conditions)
mutations

genetic drift
bottleneck effect
founder effect
gene flow
directional selection
disruptive selection
stabilizing selection
speciation
macroevolution
phylogeny
systematics
convergent evolution
adaptive radiation (divergent)
coevolution
punctuated equilibrium
analogous
taxonomy
binomial nomenclature (genus, species)
taxon
domain, kingdom, phylum, class, order,
family, genus, species