

EXAM EXPECTATIONS
AP Biology
“Speciation & Systematics”

STATE the most important factor in ensuring that two distinct species remain that way
STATE the defining characteristic of allopatric speciation
STATE the approximate portion (%) of human DNA that codes for proteins or functional RNA
STATE that some proteins have multiple domains
STATE the enzymatic function of restriction enzymes
STATE the best technique for determining evolutionary relationships when species are closely related
STATE that the more closely related two organisms are the more similar their DNA sequences will be
DEFINE recombinant DNA
DEFINE provirus
LIST the inadequacies of the biological species concept
LIST characteristics that make fossil formation more or less likely
LIST the taxonomic levels in order from more inclusive to less inclusive
LIST the criteria needed to maintain allele frequencies in Hardy-Weinberg equilibrium