ecosystem diversity -

species diversity -

genetic diversity -

species richness -

species evenness -

phylogenies -

How is evolution the mechanism

underlying biodiversity?

evolution -

microevolution -

macroevolution -

genes -

genotype -

phenotype -

mutation -

recombination -

What are the different forms of

evolution and how do they differ

from one another?

Artificial Selection -

Natural Selection -

fitness -

adaptations -

Random Process -

genetic drift -

bottleneck effect -

founder effect -

Allopatric versus Sympatric Speciation -

geographic isolation -

reproductive isolation -

allopatric speciation -

sympatric speciation -

The Pace of Evolution is

governed by what four factors

and what is their impact?

genetic engineering -

genetically modified organisms -

range of tolerance -

fundamental niche -

realized niche -

distribution -

niche generalists -

niche specialists -

Environmental Change and

Species Extinction are tracked

by the following three items:

Fossil Record -

fossils -

Five Global Mass Extinctions -

mass extinction -

Sixth Mass Extinction -