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 -