The National Institute for Mathematical and Biological Synthesis

Biodiversity is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Biodiversity takes into account species richness and evenness:

Species richness is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Species evenness is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

What is your HYPOTHESIS? Do you think there will higher biodiversity in the woods or higher diversity in the pasture? Why?

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Which plot is more species rich? \_\_\_\_\_\_\_\_\_\_\_\_\_

Which plot is more species even? \_\_\_\_\_\_\_\_\_\_\_\_\_

Simpson’s Index:

DEFINE:

*D*=

∑=

*ni*=

*N*=

*S*=

Calculate Simpsons Diversity Index for Plot 1 Woods:

Calculate Simpsons Diversity Index for Plot 2 Field:

Which plot is more diverse?