**Academic Biology vocabulary list-Fall semester**

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| **UNIT 1: Nature of Science**hypothesisindependent variabledependent variableconstant variableexperimental controldatascientific theorydata tablegraph | **UNIT 2: Ecology**matter energy trophic levels autotrophheterotrophdecomposerfood chainfood web ecological pyramidcarbon cyclenitrogen cycleprimary succession pioneer speciessecondary successionbiodiversitypredationparasitismcommensalismmutualismadaptationecosystemsspeciespopulationcommunityecosystembiomebiosphere | **UNIT 3: Cells**cellprokaryoticeukaryotichomeostasisdiffusionosmosispassive transport active transportsynthesiscell differentiationcell cycleinterphaseS phasemitosisprophasemetaphaseanaphasetelophasecytokinesiscancer |
| **Unit 4: Biomolecules**biomolecule amino acid carbohydrate nucleotidelipid enzymenucleic acid organic moleculesprotein DNAmonomer RNApolymer starchmonosaccharide glucoseATPphospholipid |