**Biology Vocab (Instruction Sheet)**  
**All Words for Biology will be on the HOME page of** *grossbiology.weebly.com*

**FOR EACH WORD DO THE FOLLOWING:**  
  
**1. Define it by writing definition from 2 sources**  
(source could be **class** Other source can be [glossary](http://www.phschool.com/science/biology_place/glossary/index.html" \t "_blank) or [glossary 2](https://biologywise.com/biology-glossary-of-terms-definitions" \t "_blank) or [glossary 3](http://www.macroevolution.net/biology-dictionary-gagd.html" \t "_blank) or [glossary 4](https://www.cliffsnotes.com/test-prep/high-school/tools-and-resources/biology-glossary" \t "_blank))   
  
**2.  Use the word in a sentence**  
  
**3. Draw a picture or symbol to represent the word  
&/or  
write word in your native language**

**Words for all year:**

Biology  
Claim  
Evidence  
Explain  
Connect  
​Value  
Change  
System  
​Interconnectedness  
Feedback  
​Communication  
Respect

**Roots, suffixes & prefixes**  
bio - life  
ology - the study of  
soma- body  
auto- self  
in- not  
​an/a- not  
photo- light  
synthesis- to create/ combine  
Kary - nucleus  
pro- pre  
Eu- true  
​eugene- well born  
epi- above, on top of, over  
mono- 1  
tri- 3  
​somy- chromosome

**LT 1- STRUCT/FUNCTION**

System  
Interconnected  
​Value  
Structure  
Function  
Enable  
Life  
Organism  
Nucleic Acids  
RNA  
DNA  
​double helix  
nucleotide  
sugar-phosphate backbone  
nitrogenous base   
covalent bond  
hydrogen bond  
Amino acid  
Protein  
Abiotic  
Biotic  
Cell  
Brain  
Amygdala  
Nucleus Accumbens  
Prefrontal Cortex  
neuron (nerve cell)  
Central Nervous System  
Peripheral Nervous Sys  
Sensory neuron  
Motor neuron  
Nervous system  
Autonomic NS  
Somatic NS  
Parasympathetic NS  
Sympathetic  NS  
Hippocampus  
Hypothalamus  
Thalamus  
Cerebral Cortex  
Mirror neuron  
Glial cells  
Interneuron  
Spinal cord  
Brain stem  
Abdominal breathing/  
   belly breathing  
Vagus Nerve  
Acetylcholine  
Adrenaline  
Cortisol  
Respiratory system  
nose  
mouth  
trachea  
bronchii  
Ciliated epitheleum  
alveoli   
bronchiole  
Lungs  
ribs  
sternum  
nose hair  
​mucous  
Circulatory system  
Veins  
Arteries  
Capillaries  
heart  
Nose hairs  
Monomer  
polymer  
molecule  
macromolecule

**LT 2- ENERGY**

Prokaryote  
Eukaryote  
Chloroplast  
Chlorophyll  
Carbon dioxide  
Water  
yields  
glucose  
oxygen  
photosynthesis  
light dependent  
light independent  
light energy  
Cell respiration  
mitochondria  
ATP (chemical energy)

**LT 3 Intersession**

**LT 4- GENETICS**

Histone Proteins  
Methyl Groups  
Epigenome  
Fertilization  
Cell differentiation  
Differentiated Cell  
Zygote  
Morula  
Blastocyst  
​Embryo  
Implantation  
Ovulation  
Menstruation  
Menstrual Cycle  
Stem Cell  
​Differentiated cell  
Embryonic Stem Cell  
Somatic stem cells  
race  
mutation  
Potency  
Pluripotent  
Multipotent  
Unipotent  
​Totipotent   
Induced-pluripotent stem cell  
Meiosis   
​crossing over  
Mitosis  
DNA  
hereditary  
double helix  
histone protein  
chromosome  
characteristics  
​trait  
related  
generation  
gene  
Genome  
allele  
Phenotype  
Genotype  
Chromosomal- abnormalities  
Numerical abnormalities  
Structural abnormalities  
dominant   
recessive  
autosomal chromosomes  
variation  
allele  
tRNA  
mRNA  
RNA polymerase  
polygenic  
monogenic  
nucleotide  
sugar  
phosphate  
nitrogenous base  
covalent bond  
hydrogen bond  
​Cell cycle  
somatic cell  
gamete  
Eugenics  
eugene  
telomere (aglet)

**LT 5- EVOLUTION**  
Variation  
Evolution  
Adaptation  
Mutation  
Natural Selection  
Artificial Selection

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| --- | --- | --- | --- | --- |
| Word | Define 1 | Define 2 | Sentence | Picture/Native Language |
|  |  |  |  |  |
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