**Living Glossary – Sci 9 Biology NAME:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

| TERM | DEFINITION | EXAMPLE/ANALOGY/DIAGRAM |
| --- | --- | --- |
| **2.2 Cell Structures Involved in Cell Division** | | |
| Nuclear Membrane |  |  |
| DNA |  |  |
| Nucleolus |  |  |
| Ribosomes |  |  |
| Endoplasmic Reticulum |  |  |
| Cytoplasm |  |  |
| Centrioles |  |  |
| Nucleotide |  |  |
| Chromatid |  |  |
| Spindles |  |  |
| Sister Chromatids |  |  |
| Centromere |  |  |
|  |  |  |
|  |  |  |
| **2.3 From DNA to Proteins** | | |  |  |
| Genetic Code |  |  |
| Amino Acids |  |  |
| Gene |  |  |
| Genome |  |  |
| Traits |  |  |
| Codon |  |  |
| Genotype |  |  |
| Phenotype |  |  |
| Allele |  |  |
| Homozygous |  |  |
| Heterozygous |  |  |
| Dominant allele |  |  |
| Recessive allele |  |  |
| Chromosome |  |  |
| DNA |  |  |
| RNA |  |  |
| Nucleotide |  |  |
| Adenine |  |  |
| Thymine |  |  |
| Guanine |  |  |
| Cytosine |  |  |
| Nucleic Acid |  |  |
|  |  |  |
|  |  |  |
| **2.4 The Cell Cycle** | | |  |  |
| Cell Cycle |  |  |
| Parent Cell |  |  |
| Daughter Cell |  |  |
| Mitosis |  |  |
| Cytokinesis |  |  |
| Interphase |  |  |
| Prophase |  |  |
| Metaphase |  |  |
| Anaphase |  |  |
| Telophase |  |  |
| Furrow |  |  |
| Cell Plate |  |  |
|  |  |  |
| **2.5 Changes to a Cell’s DNA** | | |  |  |
| Mutation |  |  |
| Cancer |  |  |
| Malignant Tumors |  |  |
| Benign Tumors |  |  |
| Mutagens |  |  |
| Carcinogens |  |  |
|  |  |  |
|  |  |  |
| **2.6 Cell Division and Asexual Reproduction** | | |  |  |
| Sexual Reproduction |  |  |
| Zygote |  |  |
| Asexual Reproduction |  |  |
| Clones |  |  |
| Binary Fission |  |  |
| Fragmentation |  |  |
| Spores |  |  |
| Vegetative Growth |  |  |
| Budding |  |  |

| TERM | DEFINITION | EXAMPLE/ANALOGY/DIAGRAM |
| --- | --- | --- |
| **3.1 Meiosis** | | |
| Somatic Cells |  |  |
| Gametes |  |  |
| Sperm |  |  |
| Meiosis |  |  |
| Haploid |  |  |
| Diploid |  |  |
| Homologous Chromosomes |  |  |
|  |  |  |
| **3.2 Sexual Reproduction and the Diversity of Life** | | |  |  |
| Diversity |  |  |

| TERM | DEFINITION | EXAMPLE/ANALOGY/DIAGRAM |
| --- | --- | --- |
| **4.1/4.2 The Male/Female Reproductive System** | | |
| Puberty |  |  |
| Testosterone |  |  |
| Penis |  |  |
| Ovary |  |  |
| Hormones |  |  |
| Menopause |  |  |
| Ovulation |  |  |
| Vagina |  |  |
| Menstruation |  |  |
|  |  |  |
| **4.3 Pregnancy: Fertilization of the Egg** |  |  |
| Fertilization |  |  |
| Stem Cells |  |  |
| Twins |  |  |
|  |  |  |
| **4.4 Gender Determination** |  |  |
| Sex-linked Characteristics |  |  |
| **4.5 Atypical Meiosis** |  |  |
| Down Syndrome |  |  |
| Turner Syndrome |  |  |
| Klinefelter Syndrome |  |  |
| Huntington’s Disease |  |  |