Unit 6 Vocabulary

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| Aerobic | Requires oxygen |
| Anaerobic | Does not require oxygen |
| Abiogenesis | Life forming from something that is NOT living. |
| Biogenesis | Life forming from something that is living. |
| Evolution | Change in the gene pool of a population over a long period of time. |
| Natural Selection | Individuals that are best suited for the environment live long enough to reproduce and pass their genes onto the next generation. |
| Endosymbiosis | Occurs when one organism is consumed by another organism and lives inside the organism that consumed it. |
| Cladogram | A diagram that shows evolutionary relationships. |
| Classification | Grouping things based on similarities |
| Taxonomy | The branch of biology that classifies organisms. |
| Binomial Nomenclature | Method of naming organisms that uses the genus and species in the name. |
| Taxa | A category used in classification  |
| Genus | First name in binomial nomenclature |
| Species | The smallest, most specific taxon. |
| Dichotomous Key | Uses distinguishing features to identify organisms. |
| Stigma | The tip of the female reproductive structure of a flower where the pollen lands. |
| Style | Connects the stigma to the ovary of a flower. |
| Ovary | The female reproductive structure of a flower that contains the eggs. |
| Pistil | The female reproductive structure of a flower that consists of the stigma, style and ovary. |
| Stamen | The male reproductive structure of a flower that consists of the anther and filament. |
| Anther | The portion of the male reproductive structure of a flower where pollen is produced. |
| Filament | The long, thin structure that supports the anther in a flower. |
| Pollen | Structure produced by the stamen that contains the sperm cell. |
| Gymnosperm | Literally means “naked seed”; Group of plants that produce cones |
| Angiosperm | Literally means “vesseled seed”; Group of plants that have flowers |
| Chitin | Substance found in the cell wall of fungi |
| Cellulose | Substance found in the cell wall of plants |
| Peptidoglycan | Substance found in the cell wall of some bacteria |