

Study Guide for Biology/Genetics/Fossils

- Know What a Fossil is, how they are formed, what scientists use them for
- Know what the term Extinction is and how it has affected the species on Earth through time
- Know what types of things may cause the extinction of a species
- Know the rate or speed at which an environmental or physical factor can change (conditions for a living thing)
- Know about the process of Reproduction (Sexual and Asexual)
- Know about how flowering plants reproduce and the male and female parts of the flower
- Know what sexual reproduction does for a species of living things over time
- Know how a Punnett Square works with two parents and one gene factor (ex. Height)
- Know the 9 qualities of living things-What makes the living
- Know what happens during natural selection Have an idea as to why some species survive and others do not over time
- Know how to fill in a Punnett Square, what it is used for, how to interpret what it means after it is filled in
- Be able to explain how environmental factors may contribute to a change in species populations and eventually the development of a new species.
- Know who Gregor Mendel was and his contributions to Genetics
- Know the terms used in discussing genetics including the following:

Name: _____ Per: _____

DNA	Gene	Chromosome
Allele	Heredity	Phenotype
Genotype	Traits	Dominant Traits
Pure Dominant	Pure Recessive	Heterozygous
Probability	Gamete	Recessive Traits
Incomplete Dominance	Hybrid	Parent
Species	Sexual Reproduction	Egg
Homozygous Dominant	Homozygous Recessive	Sperm
Generation Extinction	Zygote	Pollen
Fertilization	Offspring	Natural Selection
Asexual Reproduction	Ovules	Pollination