**Notes- Evolution, Natural Selection, and Genetic Variation** pg \_\_\_\_\_\_\_\_

Species and Species Variation

* Species- A group of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ that are able to produce \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ that are healthy and capable of reproducing offspring.
	+ Examples of different species:
		- Humans, blue whale, dogs, dogwood trees
		- Grey squirrels, white tail deer
* Genetic Variation- Not all organisms of the same \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ look or act alike. Example: humans have different eye, skin and hair color.

Charles Darwin and Natural Selection

* Charles Darwin is a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ who wrote the book On The Origins of Species in 1859 . The book presented evidence and proposed a mechanism for biological evolution called **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**
* Natural Selection- \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_ is the gradual process by which certain \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in a population become more common as a function of reproductive \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

The Theory of Evolution says…..

* Some organisms within a species are better \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ for certain \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ than others.
* Organisms within a species that are not well suited for a certain environment will not survive. Aka “\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_”
* If all of the organism within a species are unable to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to an environmental change, the species become \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

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