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| X`**Essential Question:**What role does the environment play in an organism’s survival and reproduction?Name:Class:Period/Block:Date:Define: **Natural Selection:****Questions/Main Ideas:** **Notes:** |
| **Darwin’s Natural Selection: 3 Requirements** | 1.2.3.. |
| **The 4 main principles of natural selection** | 1.2.3.4. |
| **Natural Selection Steps** | Step One:Step Two: |
| **Artificial Selection** | * **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** provides variation, **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** select variations that are **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**.
 |
| **Natural Selection****http://store.mentalfloss.com/SNATURAL_375_1.jpg** | INDIVIDUALS THAT HAVE TRAITS THAT ARE BEST \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_FOR THE CURRENT \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ARE THE ONES THAT SURVIVE TO BREED AND PASS ON THEIR \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_TO THE NEXT \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. |
| **Evolutionary Fitness** | Evolutionary Fitness: The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ that the line of descent from an individual with a specific trait will \_\_\_\_\_\_\_\_\_\_ die out. |
| **Environmental** **Change** **http://www.niu.edu/clasep/images/climate_change.jpg** | When faced with a change in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, a population of a species can get **MAD**:* + \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to a more favorable location
	+ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ be adapted
	+ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
 |
| **MUTATIONS****Selection pressure on a population:** | Changes in the structure of the \_\_\_\_\_\_\_.Adds \_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_ to the population.May or may not be \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.Depends on the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Gene Flow\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Genetic Drift\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **Genetic Drift** | **Variation of alleles in a small population, and the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ that some genes may or may not be \_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_ to the next generation.** |
| **MASTERY QUESTION** | How can a change in the environment initiate a change in a population? |