Name: Date:

**Science 10: Genetics Study Guide**

***Big Idea: DNA is the basis for the diversity of living things***

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| **Learning Target** |
| 1-5 | compare how natural and artificial selection impact a population |

**Step 1: Use the following target symbols to assess your level of understanding:**

|  |  |  |
| --- | --- | --- |
| Bullseye! I know/ understand this and am confident with it.  | Almost there. I have some knowledge of this but am not totally confident. I could use some further review.  | Needs work. I am not confident that I know it. I need to work at this. |

|  |  |
| --- | --- |
| Outcomes | Target |
| I know how natural selection influenced peppered moths, deer mice, and peacocks |  |
| I know what causes natural selection to occur |  |
| I can identify artificial selection vs. natural selection when given a situation |  |
| I know what makes and individual ‘fit’ in biology |  |
| I can explain the process of artificial selection given a specific example to explain with. |  |
| I can explain the difference between natural and artificial selection and give examples of both |  |
| Given a situation (as demonstrated in class) I can identify how natural selection is driving the evolution of a population because of climate change |  |

**Step 2: Make your own Study Review**

Examine the targets above. Your studying priority should be the “Needs work” targets. Then you can focus on the “Almost there” targets. Design a study plan that will help you meet these outcomes.

I most need to work on: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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To do this I am going to: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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**Step 3: Study! Begin your study review!**

TEST IS \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Ideas for making your own study reviews…