**White-faced Darter Activity**

**Worksheet 1**

1. Within White-faced Darter larvae you find a range of variation in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. These differences are caused by \_\_\_\_\_\_\_\_\_\_\_ variations between individuals.

2. \_\_\_\_\_\_\_\_ are passed on when an individual reproduces. As a result, offspring \_\_\_\_\_\_\_\_\_\_\_\_ variations from their parents.

3. Some White-faced Darter \_\_\_\_\_\_\_\_\_ have genes that produce \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ that provide them with a better chance of surviving in ponds with \_\_\_\_\_\_\_\_\_\_\_\_ because \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. More individuals with this variation will survive until adulthood and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

4. Some \_\_\_\_\_\_\_\_\_\_\_have genes that produce \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ that provide them with a low chance of surviving.

5. What is the natural selection pressure on the larvae? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

6. What is the evolutionary response? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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