**AP Bio Virtual Lab *Exploring Animal Responses*** Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Go to** [**https://www.classzone.com/books/hs/ca/sc/bio\_07/virtual\_labs/virtualLabs.html**](https://www.classzone.com/books/hs/ca/sc/bio_07/virtual_labs/virtualLabs.html%20) **and select this lab activity. Note: You can complete the steps of each experiment as they’re being described to you.**

**Introduction:**

1. Click on each item in the lab and jot down its purpose. You’ll need to click on each item before you can get to the procedure.
2. When you’re ready, click on “Procedure”

As you perform the different activities, record your hypotheses and reactions on these charts. Skip using the lab notebook-even though the investigation will tell you to open and use it.

Make a hypothesis about how a male song sparrow will react in response to the following (Hint: The field guide in the lab notebook may help you):

|  |  |
| --- | --- |
| **Song** | **Predicted Male Response** |
| Local Song |  |
| Foreign Song |  |

Describe in 1-2 sentences how you’ll carry out this lab, then fill out the data chart below:

|  |  |  |
| --- | --- | --- |
| **Test Area** | **Song Type** | **Male Respnse** |
| 1 | Local |  |
| 1 | Foreign |  |
| 2 | Local |  |
| 2 | Foreign |  |
| 3 | Local |  |
| 3 | Foreign |  |
| 4 | Local |  |
| 4 | Foreign |  |

**Conclusion:**

1. Compare and contrast your observations to your hypothesis. What surprised you?
2. Is there a difference between how male song sparrows react to foreign vs local songs? What is the difference?
3. What might be the advantage of the male song sparrow’s reaction to the two different types of songs?