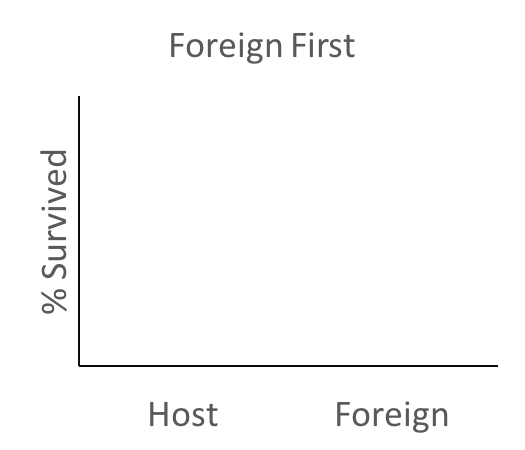
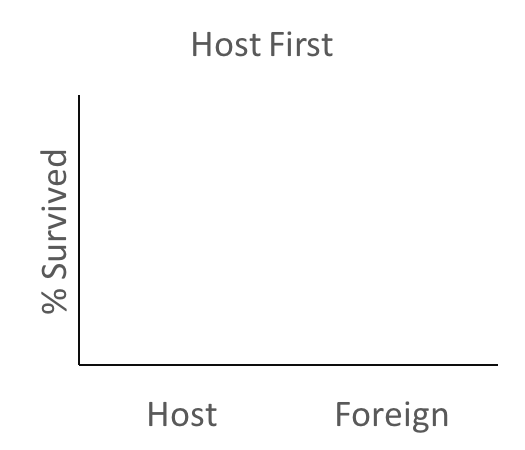
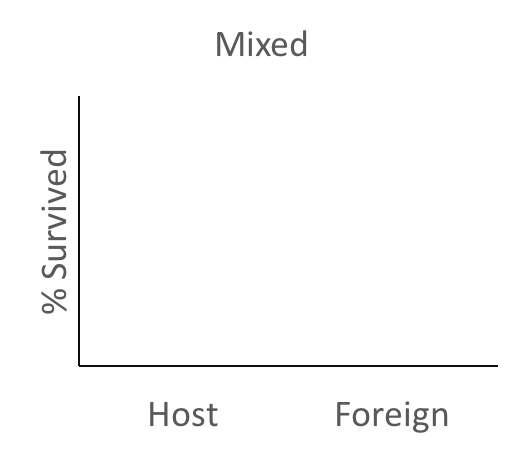
**Scientific Method Worksheet**: Use this worksheet as we work through today’s lesson.

1. Describe your OBSERVATIONS from the coot video:
2. Write down the QUESTION:
3. What information was provided as BACKGROUND KNOWLEDGE:
4. With a partner, brainstorm a HYPOTHESIS that answers the QUESTION given the BACKGROUND KNOWLEDGE provided:
5. Write down the HYPOTHESIS tested in the study by Shizuka & Lyon:
6. Draw your PREDICTIONS for ‘host first’ and ‘foreign first’ conditions in the Shizuka & Lyon experiment as a bar graph using the axes provided. 

1. Using a different color or style, draw the RESULTS next to the bars you drew as predictions.
2. What CONCLUSIONS can you draw based on these RESULTS?
3. Draw your PREDICTIONS for the ‘mixed’ condition in the Shizuka & Lyon experiment as a bar graph using the axes provided



1. Using a different color or style, draw the RESULTS next to the bars you drew as predictions.
2. How does this RESULT relate to previous CONCLUSIONS?

Alternative questions: Instructors can use these to make questions more challenging for students. These may require more class time than the original questions.

2A. Come up with a specific QUESTION regarding the behavior you observed in the video of American coot chicks interacting with adults.

3A. What BACKGROUND INFORMATION would you want to know prior to forming a hypothesis related to the research question?

5A. Given the HYPOTHESIS and EXPERIMENTAL DESIGN of the study by Shizuka & Lyon, write down your PREDICTIONS for host first and foreign first conditions?

5B. Compare the HYPOTHESIS you came up with to the one tested by Shizuka & Lyon.