

Instructor Notes

<https://blogs.cornell.edu/cibt/labs-activities/labs/>

1a - Case Study - Beriberi Disease

Intended to depict how the scientific method is used to solve scientific problems.

Adapted from: https://www.biologycorner.com/worksheets/scientific_method_action.html

1b – Case study - How did giraffes evolve long necks

Adapted from:

http://sciencecases.lib.buffalo.edu/cs/admin/Supplemental/UploadFolder/giraffe_neck_worksheet.pdf

This case study is based on the following article:

[Simmons, R.E., and L. Scheepers. 1996. Winning by a neck: sexual selection in the evolution of giraffe. *The American Naturalist* 148\(5\):771–786.](#)

4 – Mystery Box Lab

Adapted from:

<http://www.kstreetstudio.com/science/natedwkshp/files/Meier-NEW-2000-2.pdf>

5 – Candy Lab

Adapted from:

<http://www.casef.org/wp-content/uploads/2016/08/MM-Lab.pdf>

6 – Senses Lab

Adapted from:

<http://www.ngsslifescience.com/science.php/biology/lessonplans/C390/P5>