**A Whale of a Tail**

Hello Geneticists! It’s now time for you to analyze the DNA of whale bones so you can identify the species of whales in the graveyard. You will be looking at mitochondrial DNA to help you identify the species. The three items below need to be reviewed while you complete your case.

**Jgalella.weebly.com**

1. *Directions: Go onto the blog and click on the first button labeled* ***“Mitochondrial DNA Video”.***

## Link: <https://www.youtube.com/watch?v=kS5qREISS-Q>

1. *Directions: After you finish your questions, go back to the blog and click the second button labeled “****Scenario 2****”.*

* Clink on the link in the article to answer the questions on your worksheet
  + Link: <http://whale.wheelock.edu/whalenet-stuff/ser_population.html>

1. *Directions: After you finish the questions on whale data, go back to the blog and click the third button and download the last link labeled “****Using BLAST****” and “****Whale mtDNA****”.*

* Read through the instructions on how to use the BLAST website. You will be pasting the unknown whale mtDNA samples into the website to see if you can find the correct species.
* Answer the questions on your worksheet about your findings!
  + Link - <https://www.mbari.org/wp-content/uploads/2017/01/student-handout.pdf>