

Supplementary Materials

[Comparing DNA Sequences to Understand Evolutionary Relationships with BLAST](#)- This is a College Board activity that has been adapted to form the basis of the BLAST activity. If teachers wish to see the original document, go to page 130 of the link.

[How the Bird was Born](#)- An example of the evolution of dinosaurs turning into chickens.

[Are Birds Really Dinosaurs?](#)- An article debating whether or not birds are considered dinosaurs and if dinosaurs are considered birds.

[Hadrosaur](#)- This is an example of how frequently fossil specimens can be found in varied locations around the world. Montana and the Gobi Desert in Mongolia are current hotspots for fossil finding.

[The Chemistry of Amino Acids](#)- A website describing the production of amino acids and where they are found in nature and the human body.

Bibliography

“BLAST: Basic Local Alignment Search Tool.” *National Center for Biotechnology Information*,

U.S. National Library of Medicine, blast.ncbi.nlm.nih.gov/Blast.cgi.

College Board. “Comparing DNA Sequences to Understand Evolutionary Relationships with

BLAST.” *AP Biology Investigative Labs: An Inquiry-Based Approach*. The College

Board, 2012. Web. Accessed 27 June 2017.

“Part 2 - Paralogs & Orthologs - GeneDossier.” *Google Sites*, Google Inc.,

sites.google.com/site/jkim339n/part2a.

“The 20 Amino Acids and Their Role in Protein Structure.” *The 20 Amino Acids: Hydrophobic,*

Hydrophilic, Polar and Charged Amino Acids, Protein Structures,

www.proteinstructures.com/Structure/Structure/amino-acids.html.