

Phylogenetics Terminology Scavenger Hunt

As intrepid scholars of phylogenetics, you'd like to find real-life instances of some well-known phylogenetic concepts in the halls of AMNH. With map, pen, and paper in hand, track down some examples of the following terms, remembering to document your finds (whether that takes the form of a photography, sketch, etc) as you do so:

Convergent evolution (what is homoplasy?):

Parallel evolution:

Divergent evolution:

Evolutionary reversal:

Synapomorphy:

Plesiomorphy:

Monophyletic group:

Paraphyletic group:

Polyphyletic group:

Homology: