

# MIND MAP INSTRUCTIONS AND BRAINSTORMING DOCUMENT

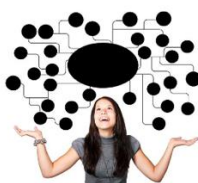
**Important:** Before presenting this assignment to students, choose whether you will have students use the table or the Venn diagram. Then, edit the bold text below and delete this note.

## Overview

To help you construct a Mind Map on natural selection, you will participate in three activities: completing a lab, reading an article, and watching a video. As you go through each activity, brainstorm the major ideas and place them in your **[table/Venn diagram]** for your Mind Map. Once you have completed all three activities, compare your notes from each section and look for similarities and differences in your writing.

## Terms to Look for in Each Activity

- Evolution (define)
- Adaptation (define)
- Genetic drift (define and provide an example)
- Asexual reproduction (define, provide an example, and explain how they get variation)
- Sexual reproduction (define, provide an example, and explain how they get variation)
- Genetics (genotype and phenotype) and their role in natural selection
- Darwin's points of natural selection (provide an example of each)
- Examples of positive effects
- Examples of negative effects
- Environmental or human-induced impact on populations



Metivier, A. (2021). What is mind mapping? The ultimate guide to using this powerful tool [Image]. Magnetic Memory Method. <https://www.magneticmemorymethod.com/what-is-mind-mapping/>

## Mind Map Brainstorming

Create a Natural Selection Mind Map using the words and concepts listed above. Show any connections that may exist among the ideas you include and provide justification for your connections along the way. Add drawings to *at least three (3)* different parts of your Mind Map that help you understand the main points you have learned about natural selection.

| Natural Selection Mind Map Brainstorming |     |         |       |
|------------------------------------------|-----|---------|-------|
|                                          | Lab | Article | Video |
|                                          |     |         |       |

## Natural Selection Mind Map Brainstorming

**Main Idea**

**Differences**

**Similarities**