

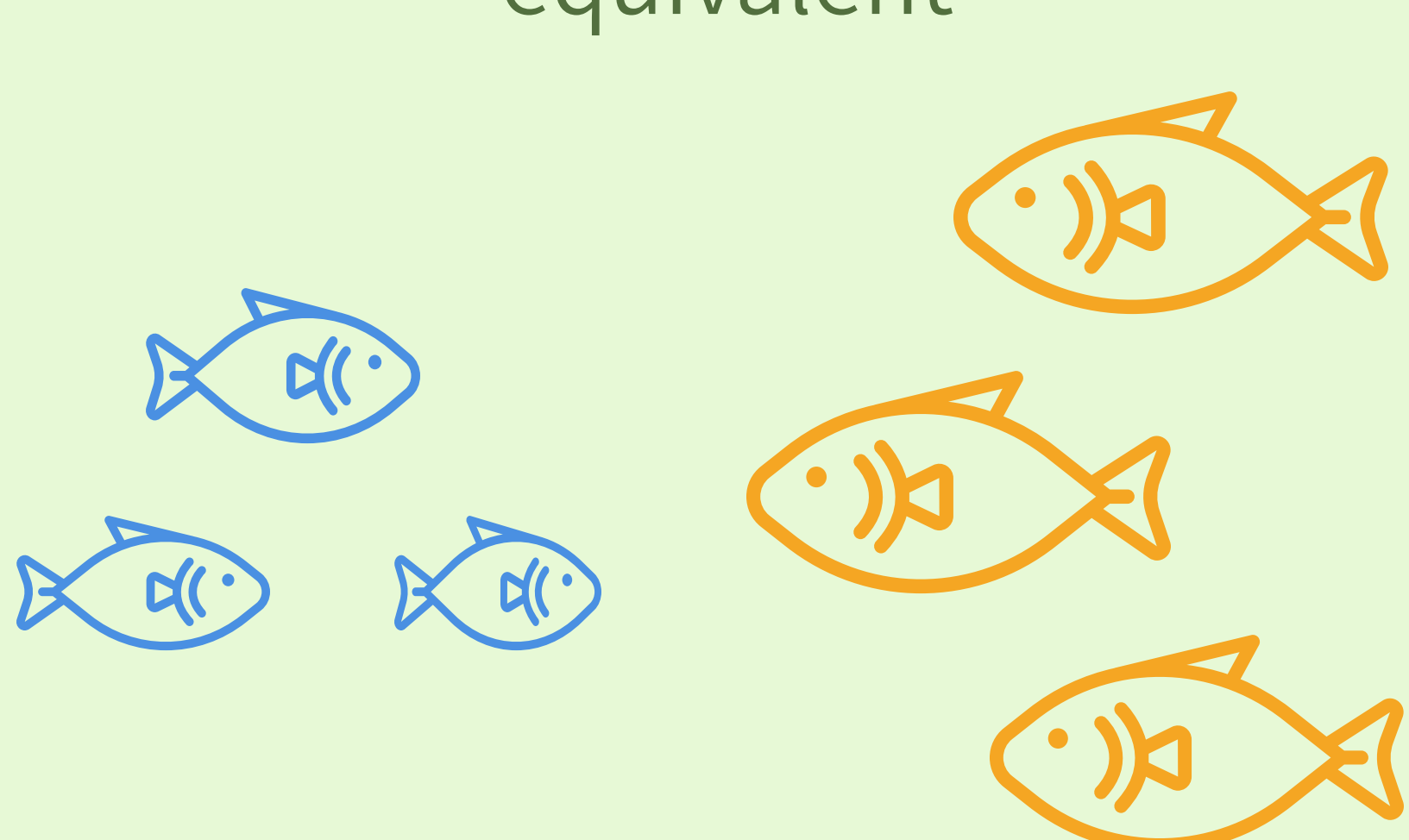


# GENE FLOW

The force that brings populations closer together via the transfer of genetic information- ultimately decreasing genetic diversity

## HOW?

Two populations interact after migration and reproduce until allele frequencies become nearly equivalent



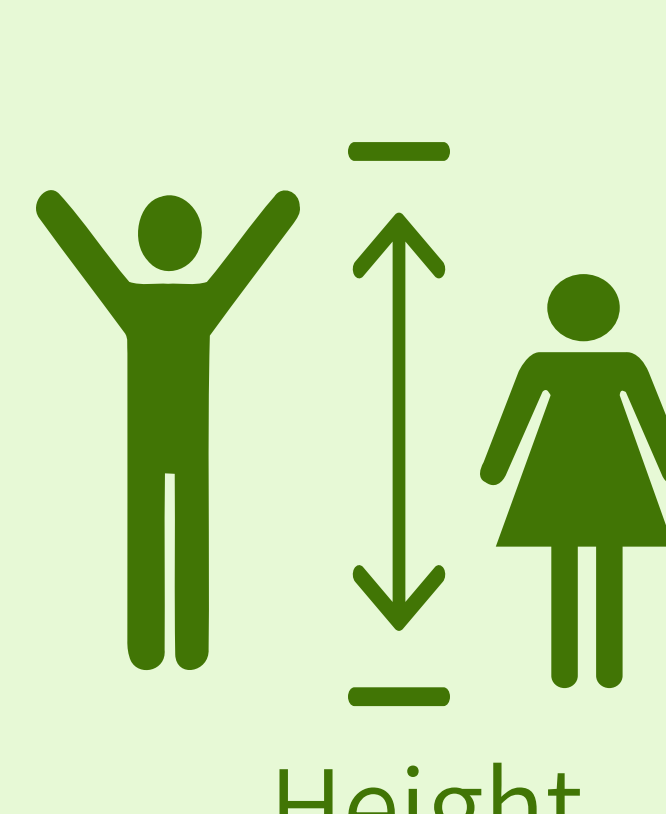
## ALLELES

Alternative versions of a gene.

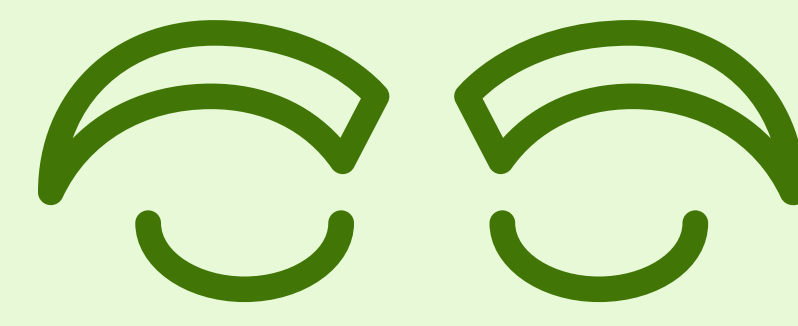
Such as...



Blood Type



Height



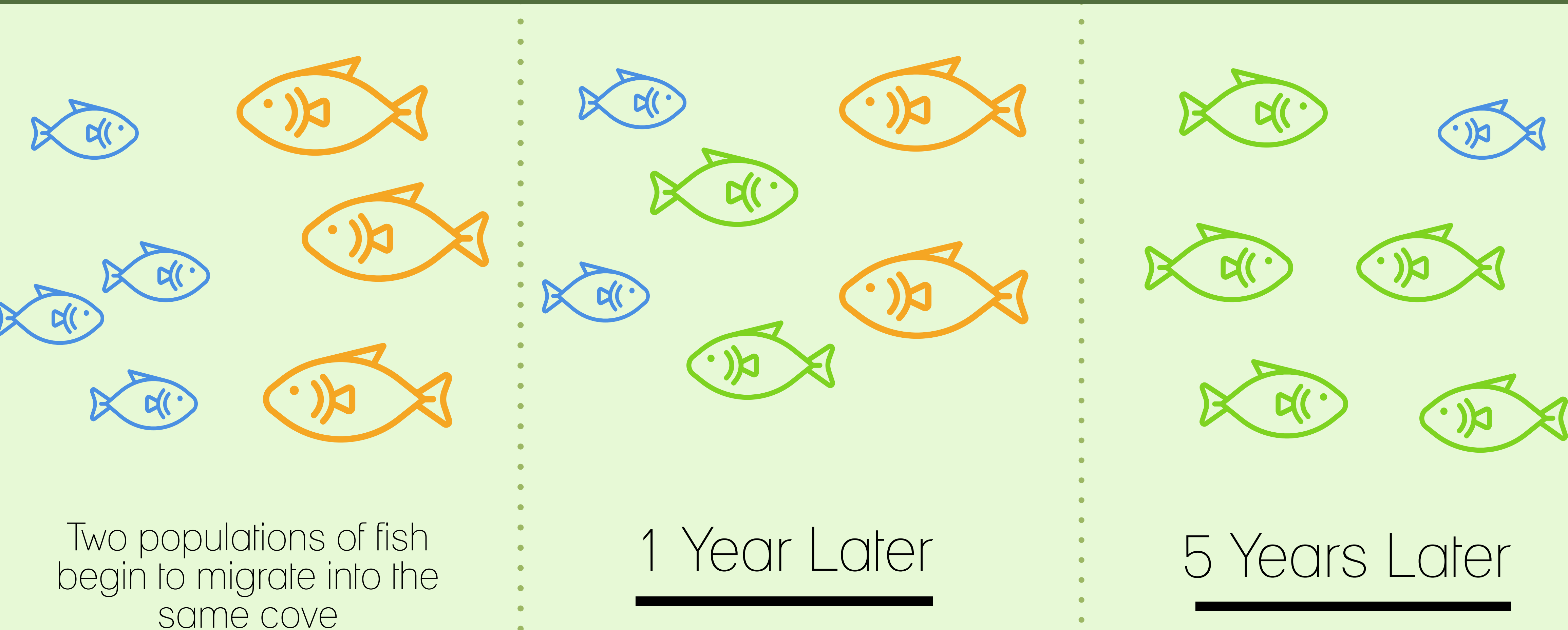
Eye Color

## Genetic Diversity

The range of inherited traits within a species. Species considered to have high genetic diversity display a variety of different traits among individuals.



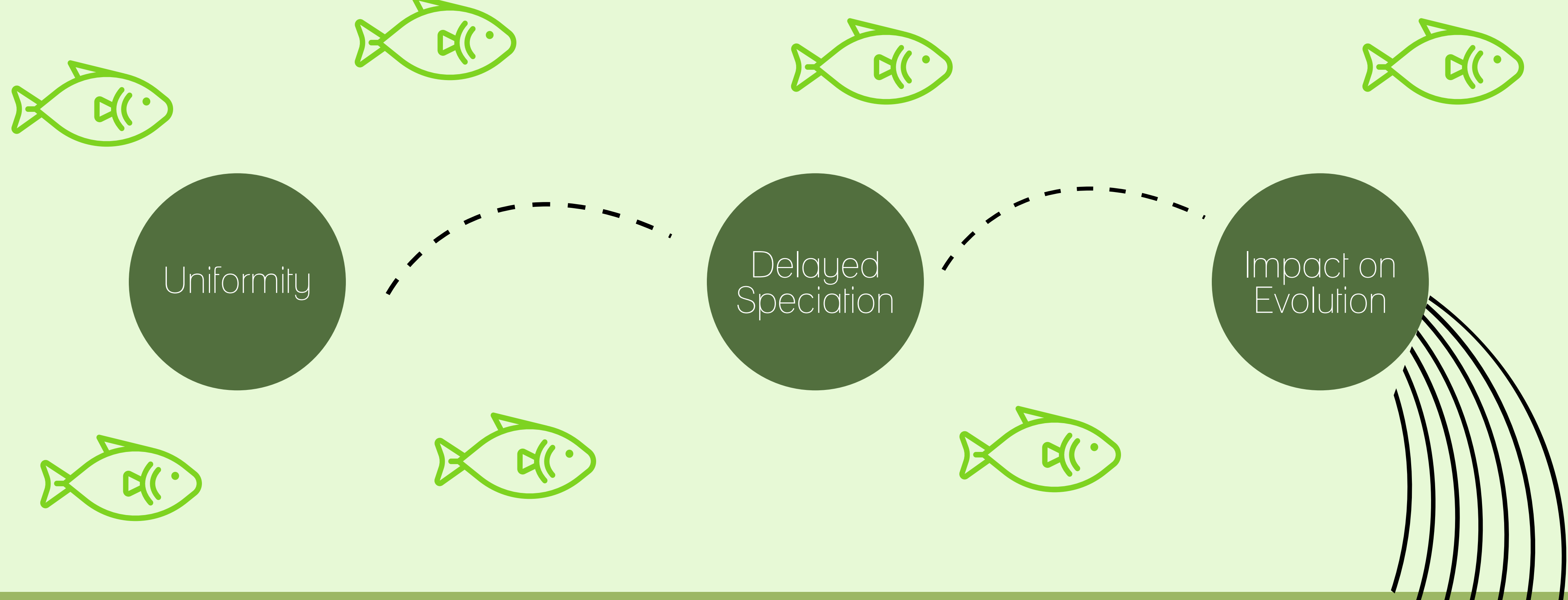
Let's See it in Action!



## What Changed?

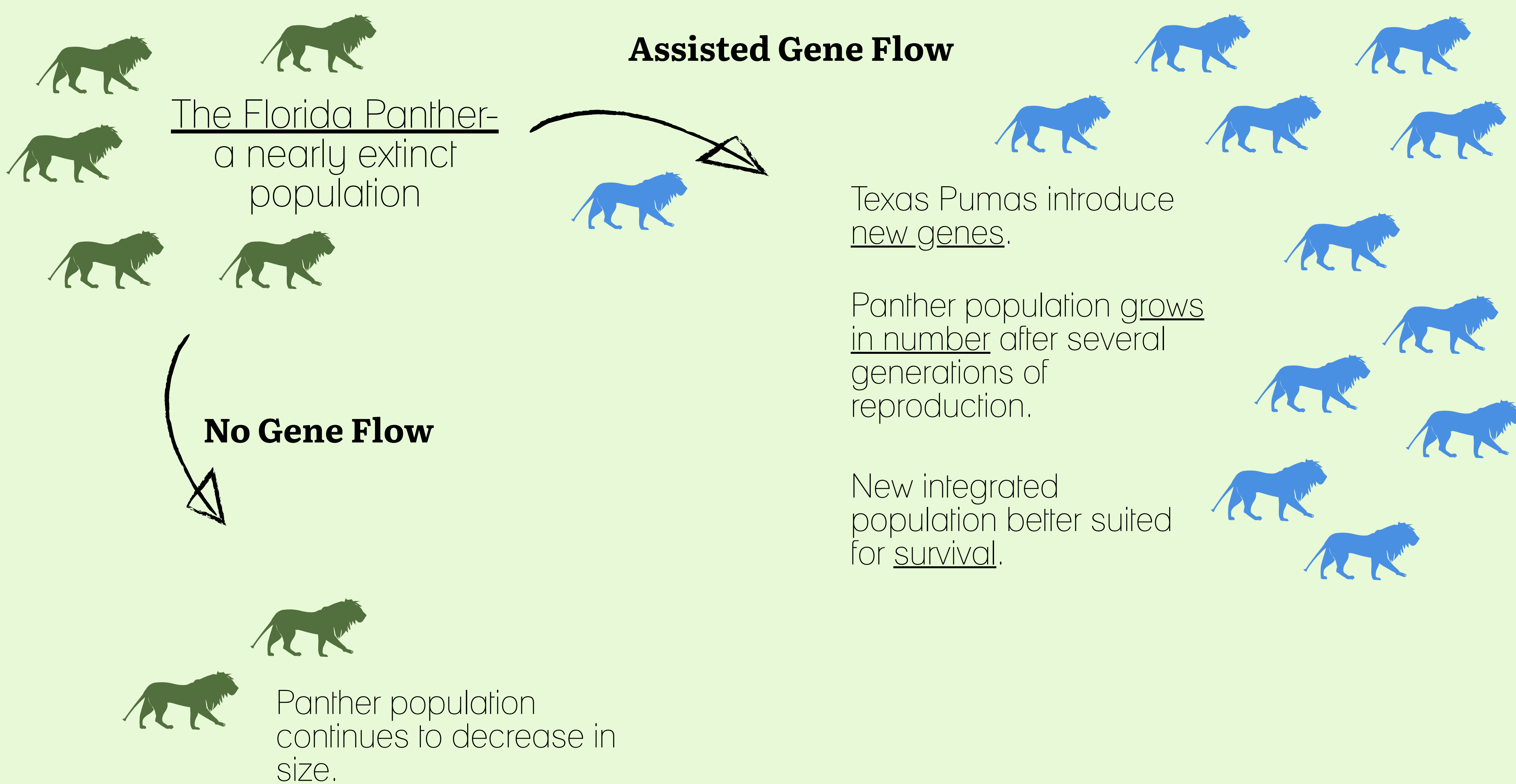


## Gene Flow ~ Evolution



It can save a population!

Why Is Gene Flow Important?



## Is Gene Flow always helpful?

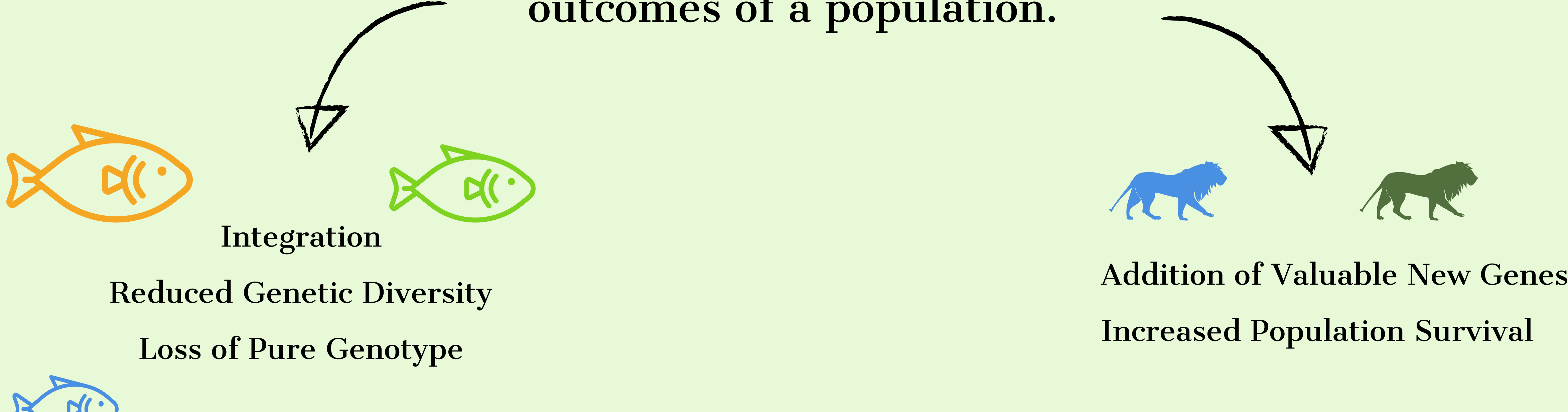
Not necessarily...



However...

Gene Flow is only one of the major forces that impact evolution!

Along with Genetic Drift, Natural Selection, and Mutation- Gene Flow plays a large role in the evolutionary outcomes of a population.



## Sources:

- [https://www2.palomar.edu/anthro/synthetic/synth\\_6.htm](https://www2.palomar.edu/anthro/synthetic/synth_6.htm)
- <https://www.science.org/doi/abs/10.1126/science.1192891>
- <https://www.biologyonline.com/dictionary/allele>
- <https://biodiversitya-z.org/content/genetic-diversity>