

Evolution is the result of random mutations in DNA!

Some mutations lead to advantageous changes

> Organisms with these changes are more "fit" and live to pass on their DNA > How well something will do in its environment.
> If this pattern continues over many

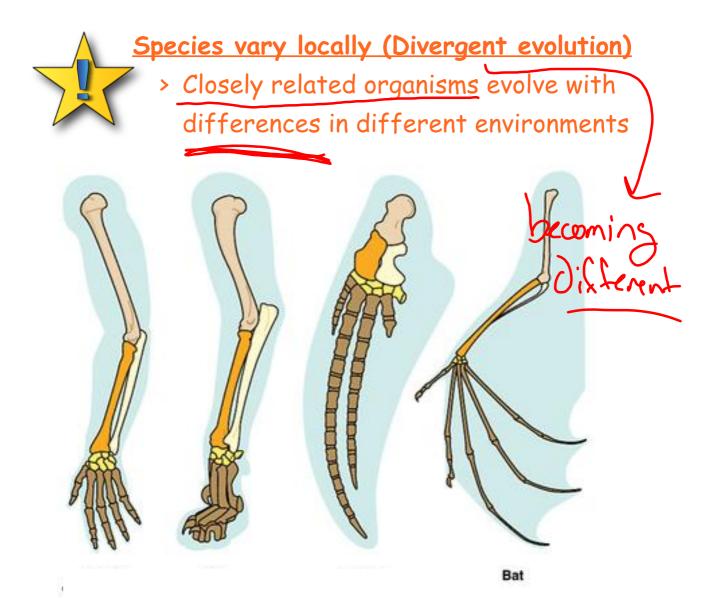
> If this pattern continues over many generations, a new species can be formed!

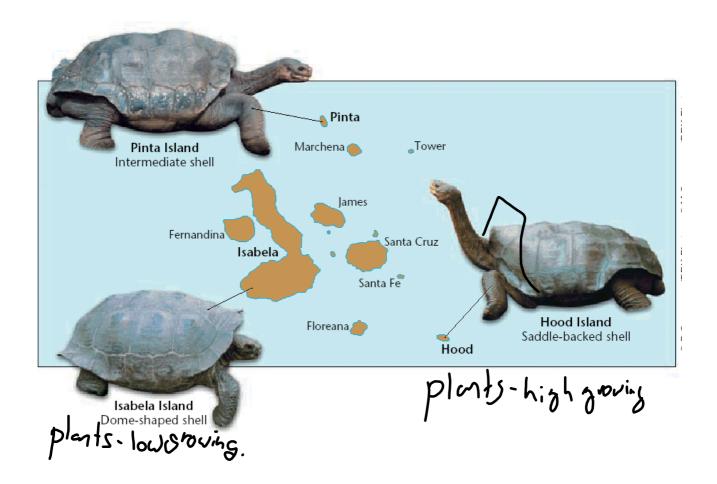
http://genetics.thetech.org/online-exhibits/genes-common

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Observations Aboard the Beagle

- 1) Species vary locally (Divergent evolution)
- 2) Species vary globally (Convergent Evolution)



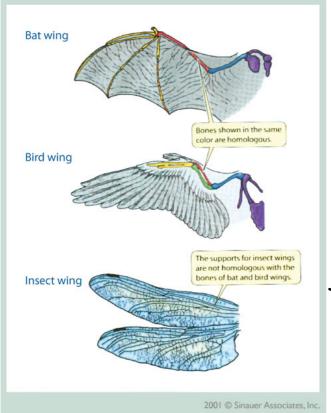




Species vary globally (Convergent evolution)

> Distantly related organisms in similar environments evolve with similar

characteristics



manuel

come together.

bird,

