Mutations as an Evolutionary Force

Clearing up common misconceptions

How mutations happen

Types of mutations

Substitutions

- Insertion
- Deletion

Insertions
- Frameshift
- Nonsense

Translocations

Chromosomal mutations

The common thread:
Sometimes, mutations change the shape of proteins, which changes the phenotype. These changes can help organisms survive and reproduce.

Mutations as the building blocks of evolution

Why we should care

Conclusions

- Natural selection
- Random events
- Mutations are the raw materials of evolution.
- Mutations can be beneficial or harmful.
- Mutations can cause disease or resistance.
- Mutations can help organisms adapt to their environment.
- Mutations can be passed down to offspring.

Sources:

- https://www.brainpop.com/search/?keyword=health
- https://www.pinterest.co.uk/pin/572942383826981361/
- https://www.pinterest.com/pin/4281235082997743/
- https://www.nicepng.com/our-pic/u2r5r5e6u2a9w7u2-point-mutation-substitution-mutation/
- https://www.briarp.com/search/?keyword=health

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