

17-GY8 Mutation

I think evolution is where mutations happen to change living species, and how they live. Something happens in the genes so if they have blue eyes, the next generation could have green eyes, but that changes every year. Over a long period of time when reproduction happens mutations happen that change the genes and then there are many mutations and then they grow out or some die out.

Claim(s) **Evolution happens as the result of mutations changing species.**

Many mutations die out.

Any challenges to the expressed claim?

Anything to disagree with?

Any clarification needed?

Question(s). **What is a mutation?**

How and when do mutations happen?

What is the significant difference between somatic and germ cell mutation?

How could a mutation die out?

Note: Mutations are changes of the DNA in cells and as DNA has an impact on every aspect of an organisms structure and function, they are important. They occur randomly and may be advantageous, of no consequence or harmful.

Mutations can occur in any cell in the body containing DNA but those that happen in somatic cells of the body are not relevant to evolution because the changes cannot be passed on. Only mutations in the germ cells, the egg and the sperm that play a role in sexual reproduction, can be passed on.