millions of years ago 10 9 8 7 12 11 6 5 4 3 2 0 Homo neanderthalensis Sahelanthropus Homo

Evolution is a widely misunderstood topic. Here are some facts to help you sort through what you hear.

MYTH 1 > Evolution is synonymous with improvement

Generation 2

Evolutionary theory offers a naturalistic explanation for the diversity of life and is simply defined as a "change in

Generation 1

Evolution has no end goal

Generation 3

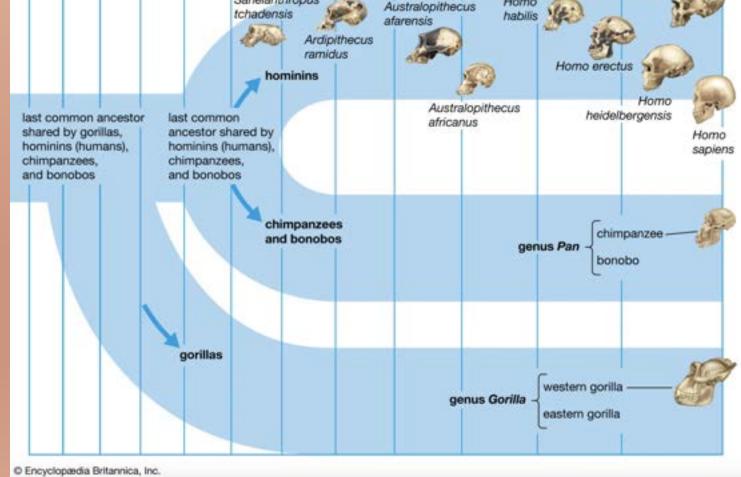


Evolution predicts that all life on the planet is related. If you go back enough generations, there will be a common ancestor for any two life forms. We did not evolve from monkeys; rather, we have a common ancestor that humans and monkeys diverged from millions of years ago.

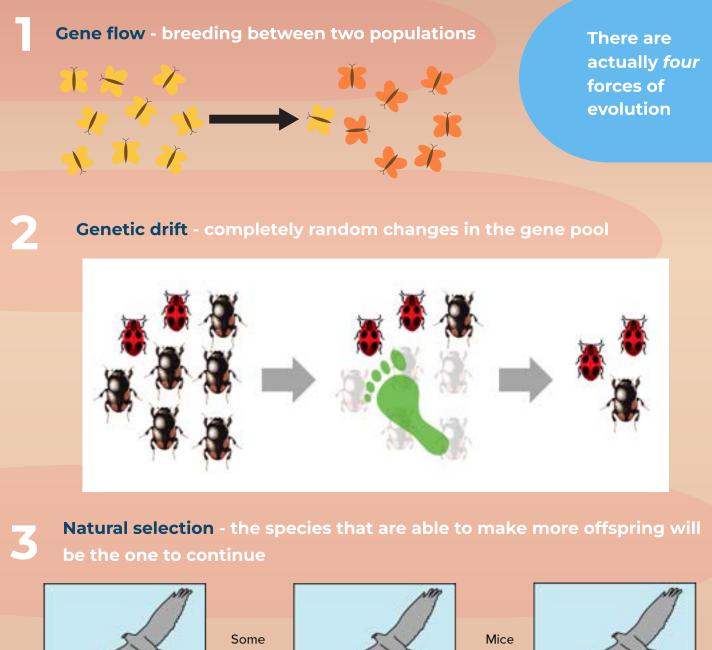
Evolution is just like one big family tree



EVO UTON Jessica O'Neill Fundamentals of Bio Anth

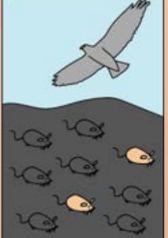


MYTH 3 > Natural selection is the only means of evolution



mice are eaten by birds

reproduce, giving next generation





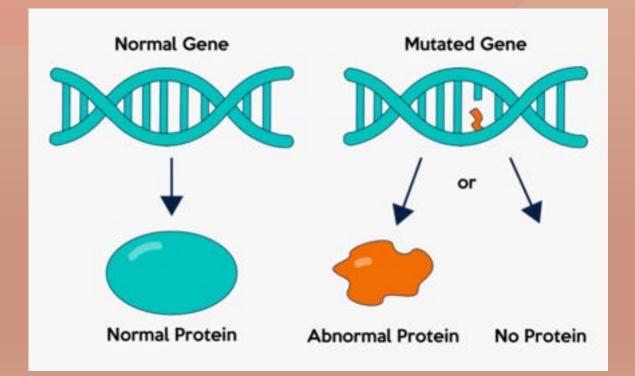
Mice move to new area with dark rocks



Tan mice are more visible to predators

Black mice had higher chance of leaving offspring than tan, so there are more black mice in next generation

Mutation - a change in nucleotide sequence/gene



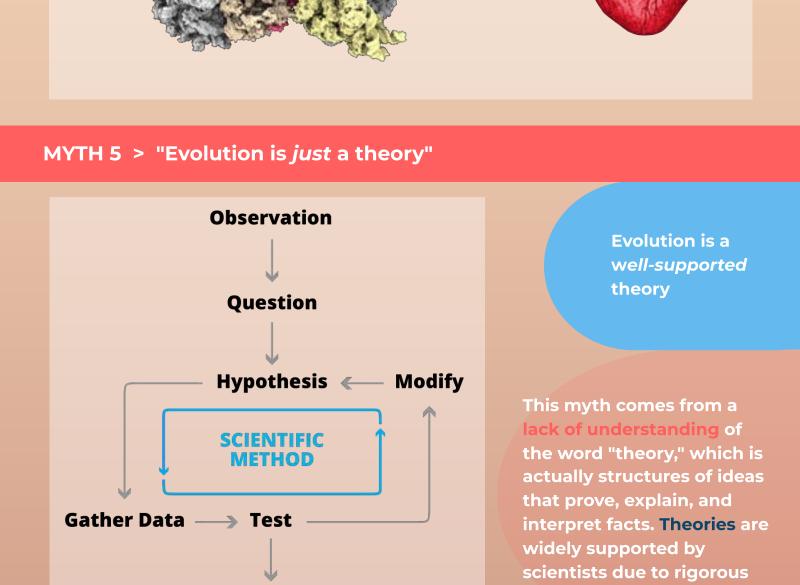
MYTH 4 > Intelligent design (ID) makes more sense than evolution

Intelligent design proposes that the lifeforms we see on earth are too complex to be the result of evolution

ID is anti-science unsolved mysteries/answers in science prove nothing

Complex lifeforms - not the result of ID!





Everything is not as it seems!

testing.

Don't believe everything you hear about evolution as misconceptions are widespread and hard to escape. Do research before blindly believing something you read, and always have an open mind!

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