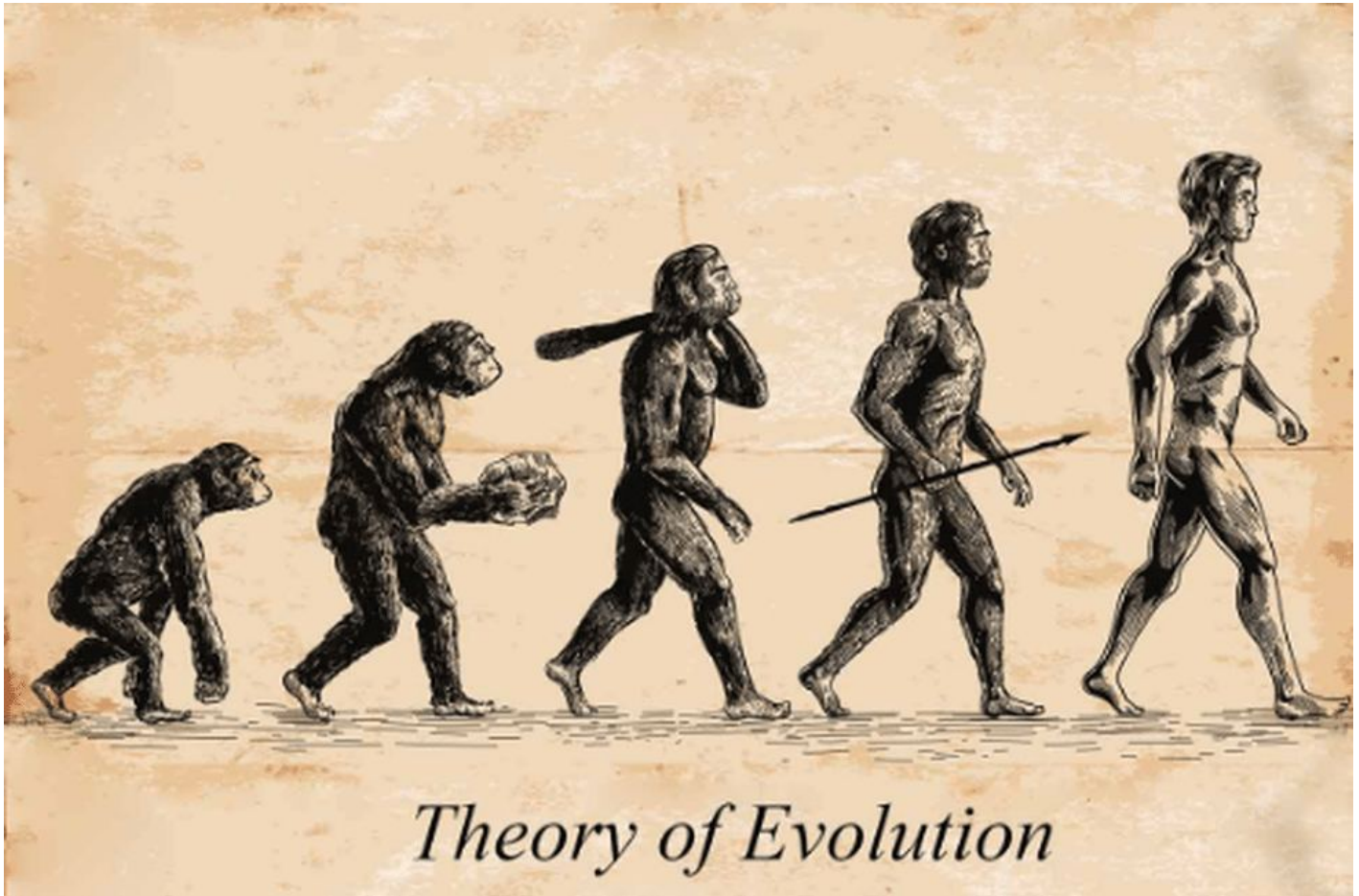


What is Charles Darwin's Theory of Evolution?

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About Charles Darwin's Theory of Evolution:

- Darwin in his Theory of Evolution **describes how organisms evolve over generations through the inheritance of physical or behavioral traits.**
- **The mechanism** that Darwin proposed for evolution **is natural selection.**
- **How Natural Selection Happens?**
 - **Individuals with traits that enable them to adapt to their environments** will help them survive and have more offspring, which **will inherit those traits.**
 - **Individuals with less adaptive traits will less frequently survive** to pass them on.
 - **Over time, the traits that enable species to survive and reproduce will become more frequent in the population** and the **population will change, or evolve.**
 - Natural selection **depends on the environment** and requires existing heritable variation in a group.
 - Through natural selection, Darwin suggested, **genetically diverse species could arise from a common ancestor.**

Q1) What is Genetics?

Genetics is the study of genes, heredity, and genetic variation in living organisms. Genes are the basic unit of heredity, and they carry the information that determines the traits or characteristics of an organism.

Source: [Science community slams NCERT's move to delete Darwin's theory of evolution from books: 'Travesty of education'](#)

Source: <https://vajiramandravi.com/current-affairs/what-is-charles-darwins-theory-of-evolution/>

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