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- **Positive** (+): resulting mutation gives the organisms an evolutionary advantage
- Neutral (Ø): resulting mutation may not effect



## **Mutation & Evolution**

- Any mutation that occurs in a gamete (sperm or egg) has the potential to become hereditary
- MUTATIONS IN BODY CELLS WILL NOT AFFECT NEXT GENERATION!
- Mutations range from about 1 in 100,000 to 1 in 1,000,000
  Allows for greater genetic variation
- Only natural selection will determine if these mutations prove to be beneficial or not