

the Game of Biology Has to win!

First, you need to know the objective!

- Live forever
 - unless you are a 19 y/o male, that won't happen!

So - DNA = code

- $\frac{1}{2}$ of your DNA code is passed to your offspring. that's the only way you can live forever.

- Somatic cells

- most of the cells in your body
- all have 2 copies of each chromosome
- chromosomes are pieces of your DNA
 - Genes = you - your trait
- you get a mixture of your parents' DNA

- Gametes

- Sperm + egg
- both have only 1 copy of each chromosome
- so each gamete has 50% of your genotype

- win by producing viable (able to reproduce) offspring