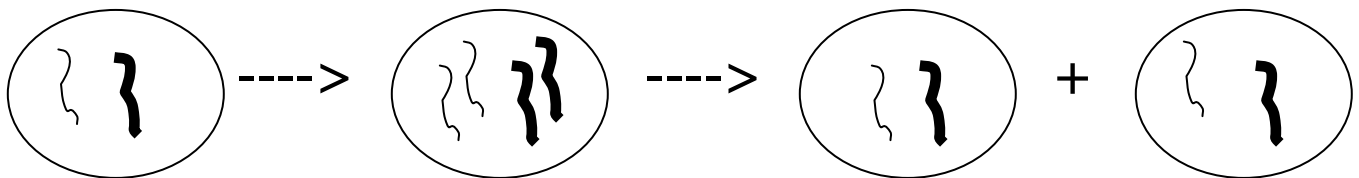


CELL DIVISION (**mitosis**)

- cell divides into 2 identical cells
- DNA makes a copy of itself (replication)
- chromosomes double and split in two (each new cell gets a **copy** of the original)



- chromosome number stays the **same** from parent to daughter
- increases the number of cells
1 --> 2 --> 4 --> 8 --> 16
- single-celled organisms *reproduce* or increase population
- multi-celled organisms to *grow* or replace damaged or dead cells