



Cell division, the process by which cells come from preexisting cells, is the process that allows species to continue. Just as cells reproduce as part of the cell cycle, living organisms reproduce as part of their life cycle.

**Organism of all species reproduce .
They may reproduce sexually or
asexually.**

Asexual Reproduction

- one parent (One cell)
- one cell divides into two identical cells.

Sexual Reproduction

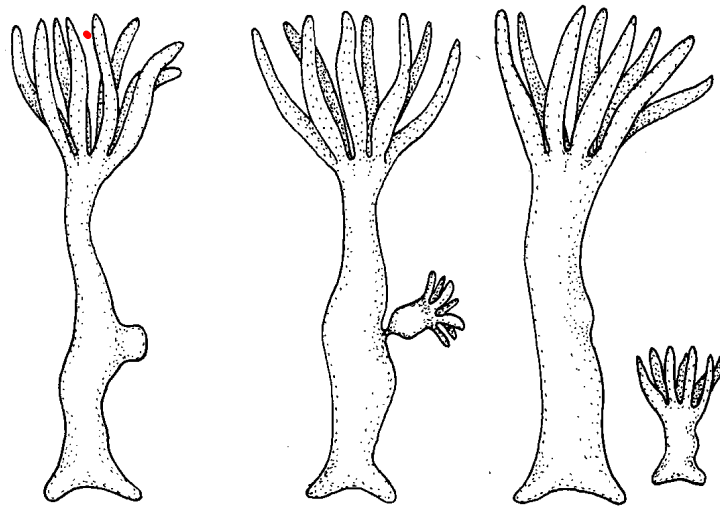
- two parents (Two different cells)
- two cells fuse to form a unique cell.

Asexual reproduction



Asexual Reproduction

- usually the method of choice for simple organisms (not always)
- the simplest form, the mother cell duplicates and becomes 2 daughter cells
- the offspring are identical to the parent



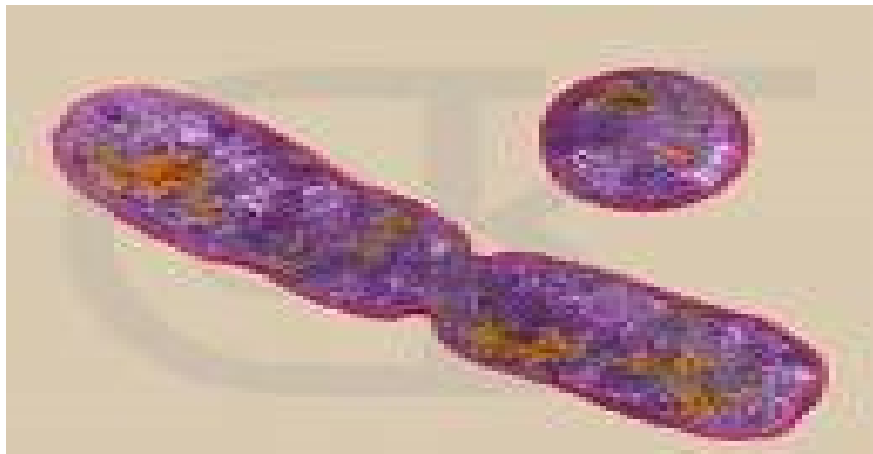
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Forms of Asexual Reproduction

1) **Binary fission** - the organism splits into two equal-size offspring.

ex . intestinal bacteria.



<https://www.youtube.com/watch?v=X7Qz9oc4DsA>

