

*replace, cells, tissue, grow, repair*

New cells are needed for organisms to grow. They are also needed for organisms to replace cells that have worn out and to repair damaged tissue.

Each cell contains:

- A nucleus
- 23 pairs of chromosomes = 46 in total = diploid



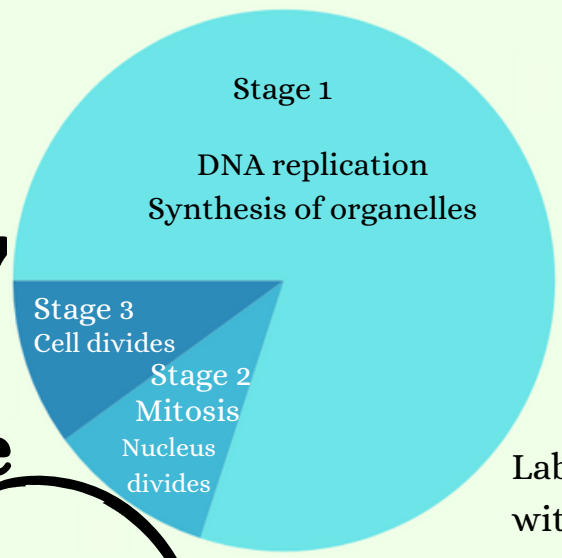
DNA in the nucleus

*division, gametes, genetically, asexual, daughter, body*

A type of cell division which produces two daughter cells that are genetically identical to the parent.

Mitosis is asexual. It involves normal body cells, not gametes (sex cells)

# Cell cycle



- Stage 1
- Stage 2
- Stage 3
- Mitosis
- DNA replication
- Synthesis of organelles
- Nucleus divides
- Cell divides

Label the pie chart with the following:

Join the correct statements

- Short cycle
- Longer cycle
- Rapid division
- Slower division
- Adult
- Baby

# Mitosis

Mitosis can be rapid and constantly in places where cells are lost often such as: SKIN CELLS

