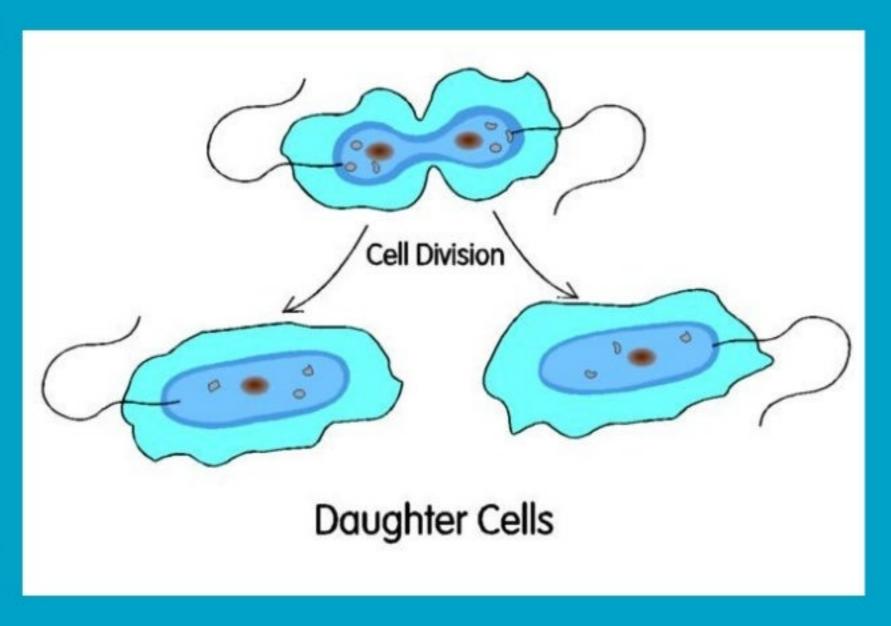


Cell Division

What is it?

Why do Cells do it?

Why is it important to me?



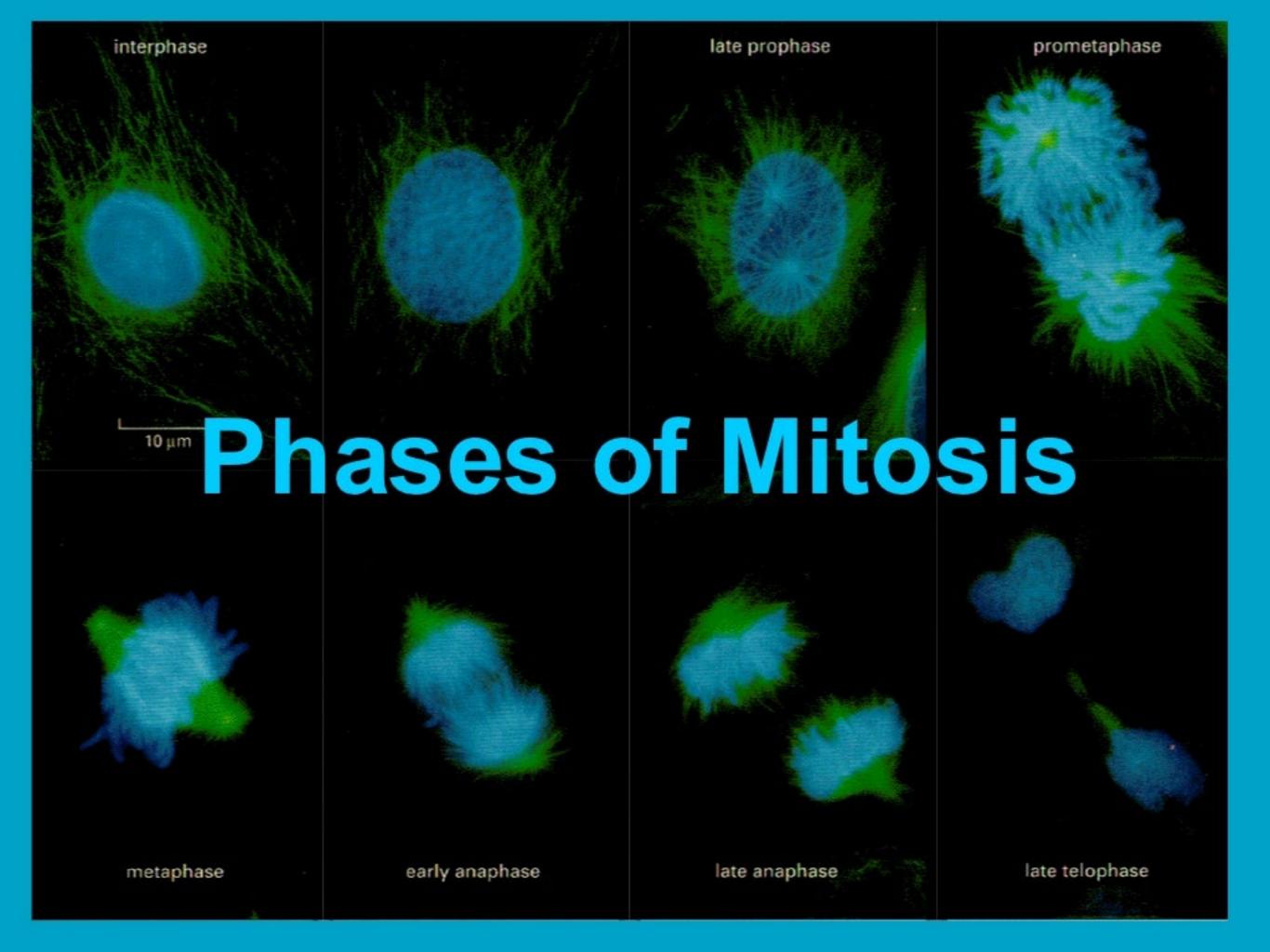
Cell Division

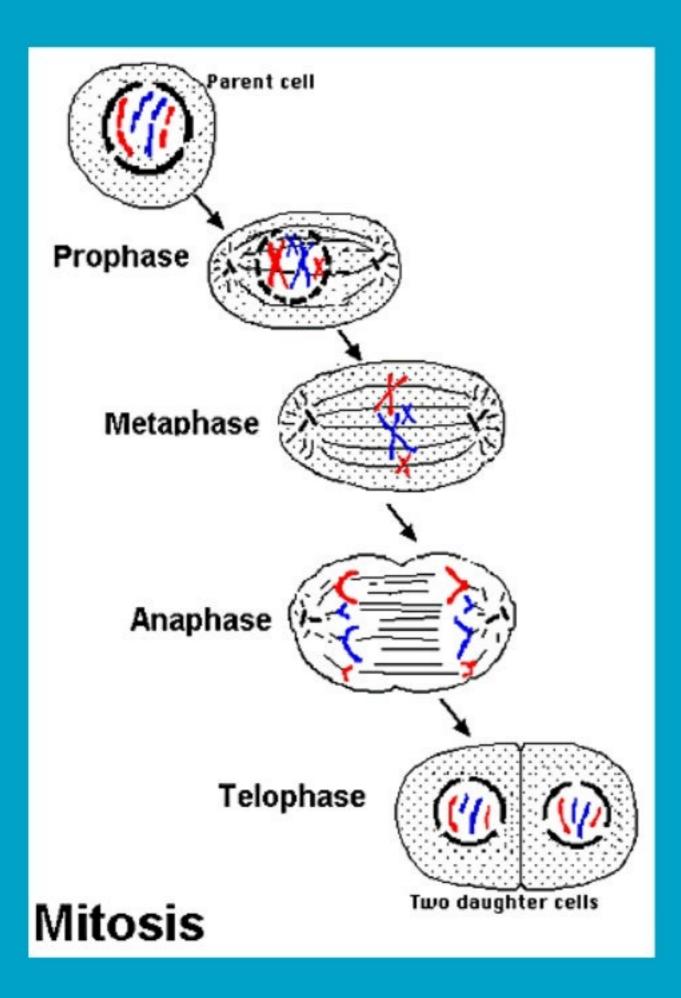
Also known as Mitosis

Takes place in Regular Body Cells

Keeps Cells Living and Growing



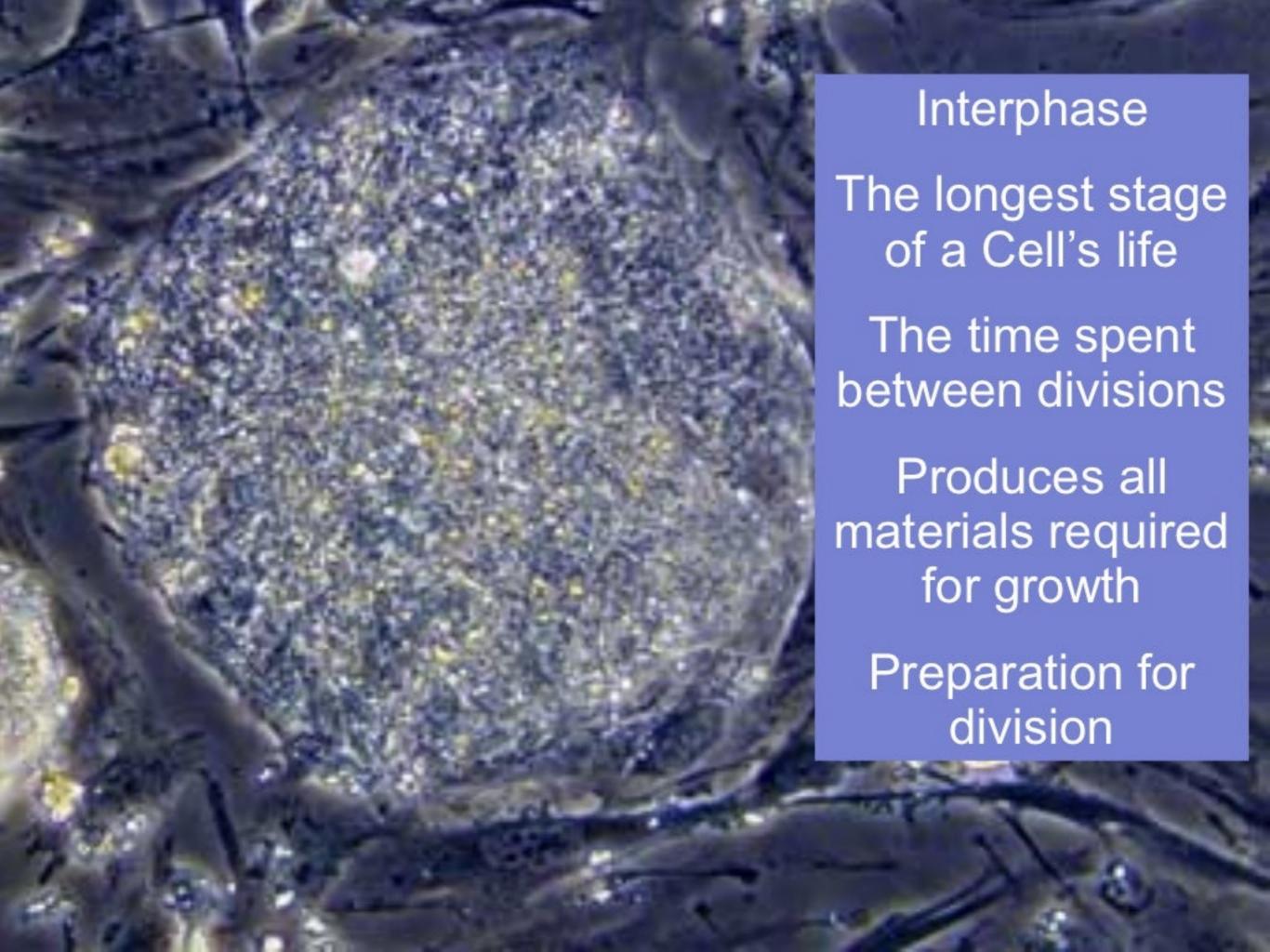


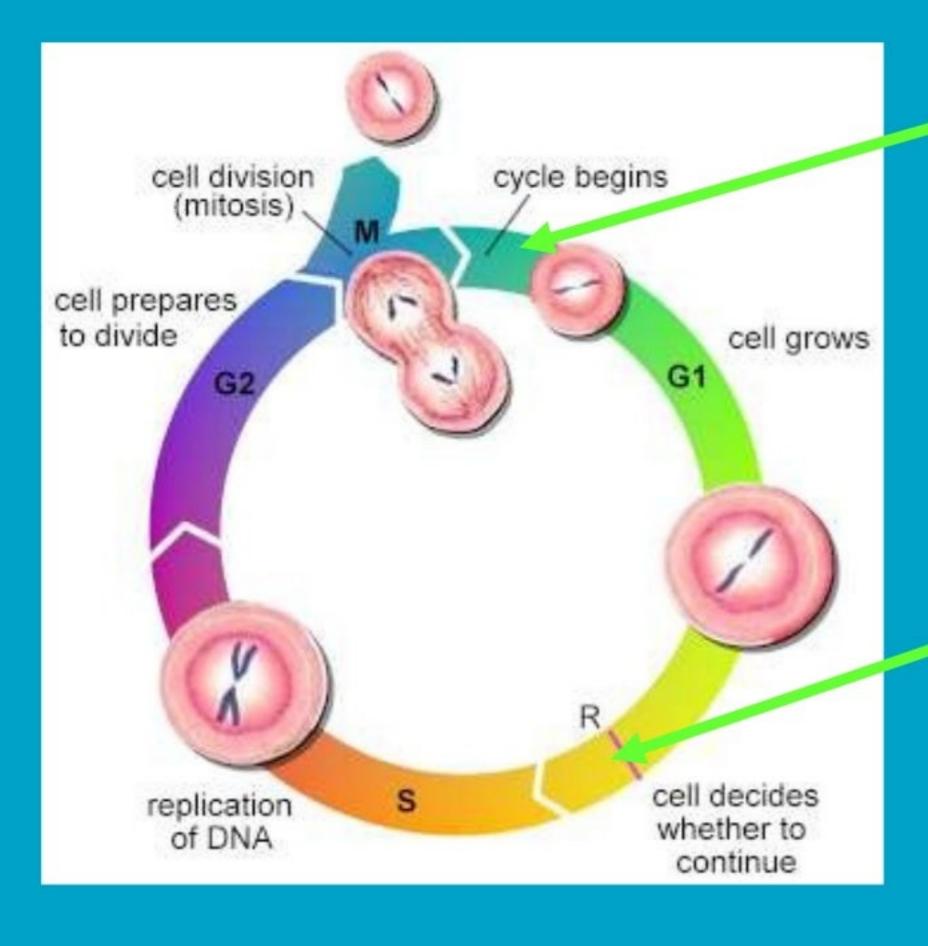


Mitosis

The Basic Phases of a Cell's Life:

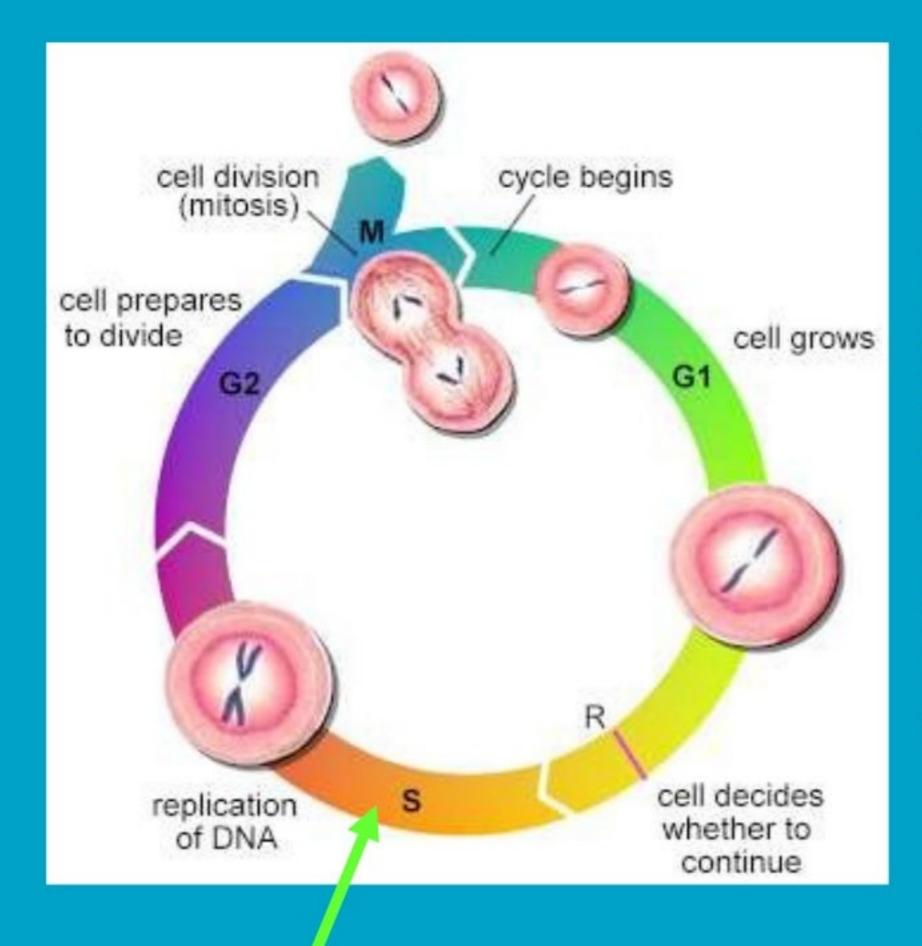
- Interphase
- Prophase
- Metaphase
- Anaphase
- Telophase
- Cytokinesis





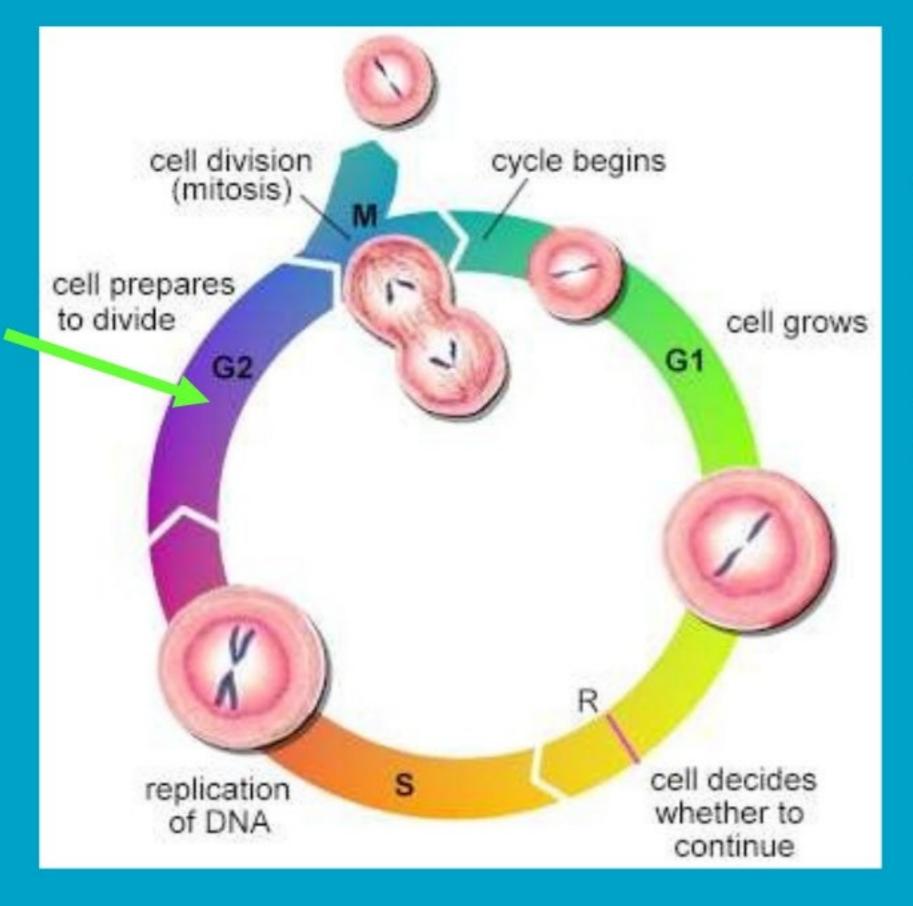
Part of Interphase is also known as the G1 Phase of the Cell Cycle

(Growth Phase)



The Second part of Interphase is known as the S Phase of the Cell Cycle

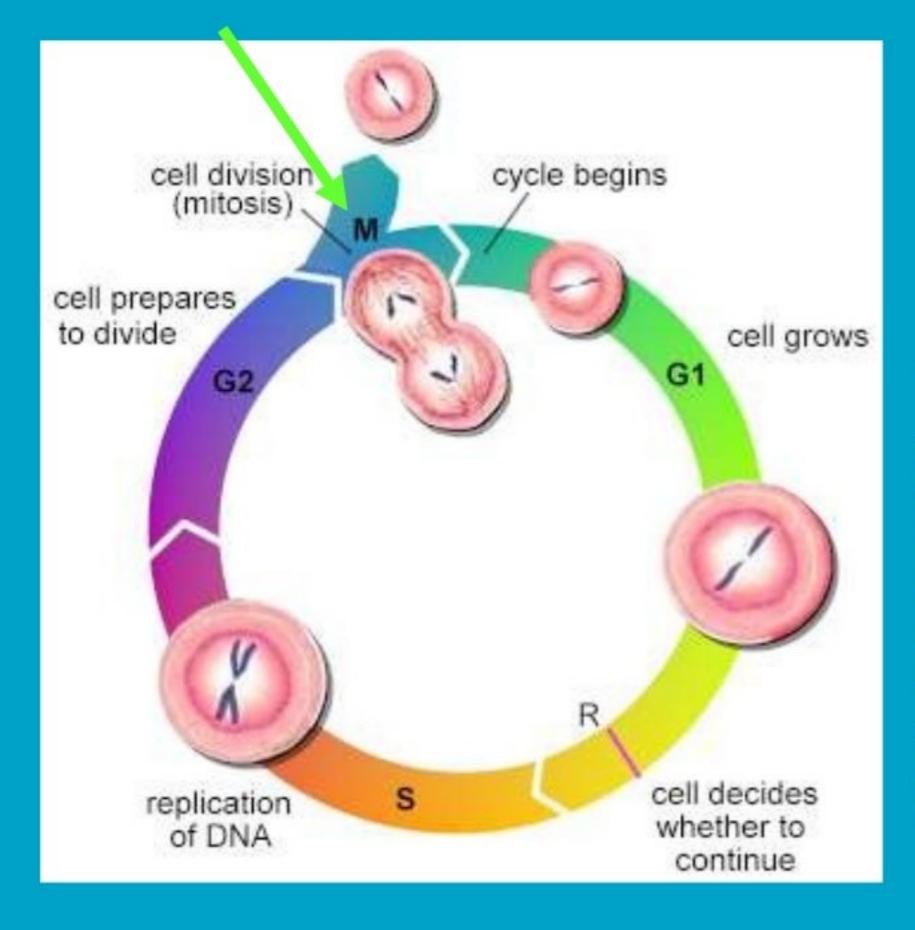
(Synthesis Phase – when DNA duplicates)



The third part of the Cell Cycle, <u>G2</u>, is just a checkpoint to make sure the DNA is correct.

Next step -

Mitosis



Mitosis: Cell Division

The last part of the Cell Cycle is called Mitosis and has 4 phases during which the cell divides into 2 cells