Student Notes:

Why divide?

How is DNA packaged in the nucleus?

Eukaryotic cell

cycle

Prokaryotes vs

eukaryotes

Stages of mitosis

cytokinesis

regulation

Cell Growth and Division

vision Ch. 10

Why is it important?

The reproduction of cells allows you to grow and heal

DNA condenses to make chromosomes before division

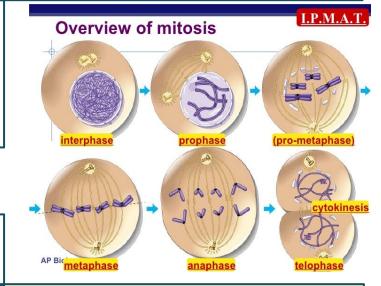
Eukaryotic cell cycle includes G1, S, G2 (collectively called interphase) and mitosis and cytokinesis (collectively called cell division). See pictures below.

Mitosis

- prophase
- metaphase
- anaphase
- teloophase
- (pmat)

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If the cell cycle isn't regulated, it can cause problems like cancer



Mitosis happens in all cells except sex cells

