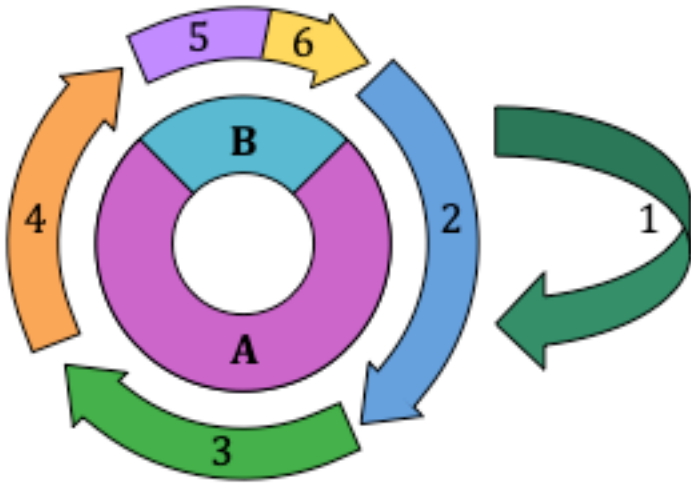


1.6 Cell Division

Cell Cycle

Identify the various stages of the cell cycle



- A.
- B.
- 1.
- 2.
- 3.
- 4.
- 5.
- 6.

List the different events that occur during interphase

- D
- O
- C
- T
- O
- R



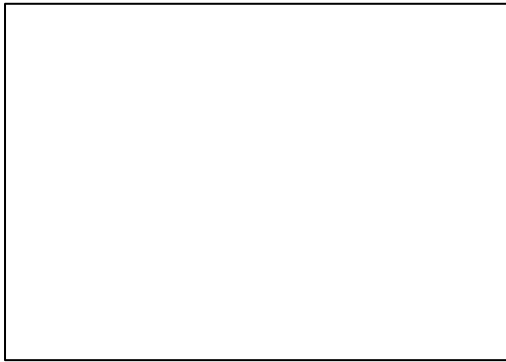
Differentiate between the three gap phases

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Define mitosis

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Outline, with a diagram, the changes in DNA organisation during interphase and mitosis



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Describe the stages of mitosis

Stage	Diagram	Description
Prophase		
Metaphase		
Anaphase		
Telophase		

Compare the process of cytokinesis in animal cells and plant cells

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List four processes that involve mitosis

T

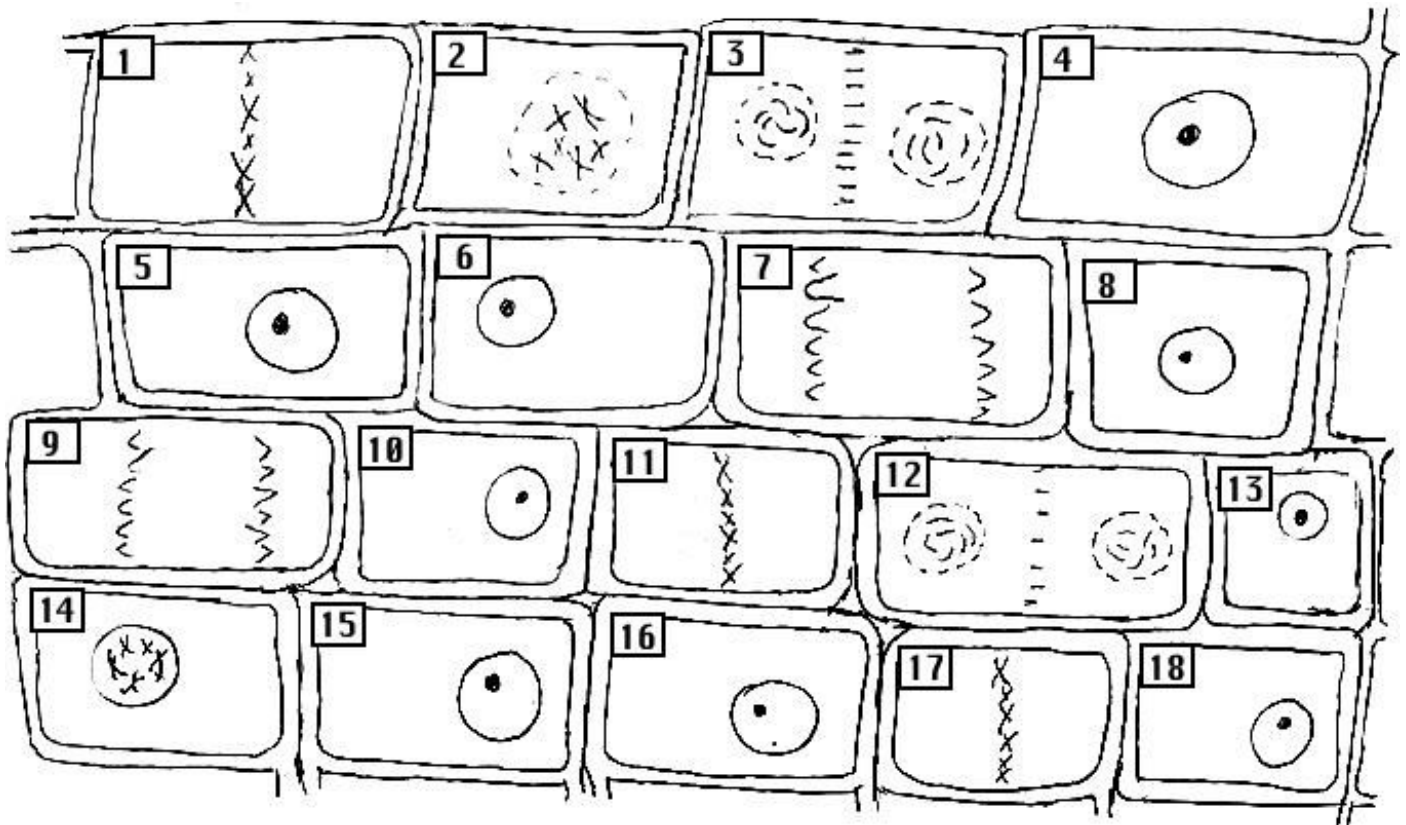
O

A

D



Identify the stages of mitosis and calculate the mitotic index



Interphase:

Anaphase:

Prophase:

Telophase:

Metaphase:

Mitotic Index:

Cell Cycle Regulation

Outline the role of cyclins in the control of the cell cycle

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Compare apoptosis and necrosis as mechanisms of cell death

Apoptosis	Necrosis
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Define cancer

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Distinguish between primary and secondary tumours

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Outline the role of mutagens and oncogenes in the development of cancer

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