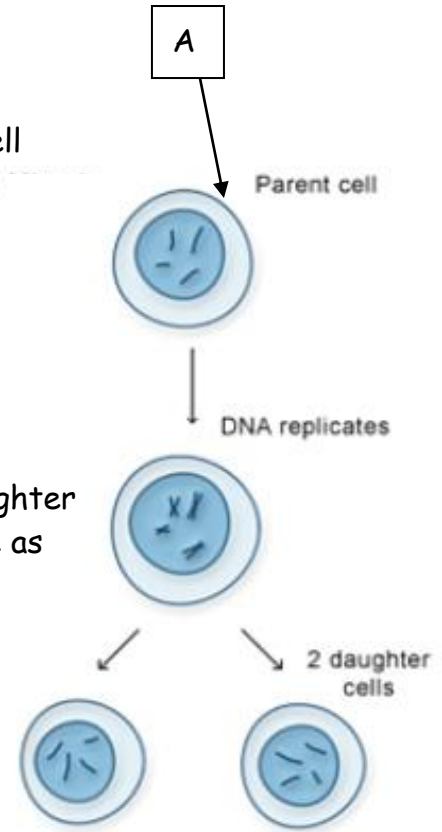


Dalkeith High School
S3 Biology Home learning
Cell Division

1. The diagram on the right shows a human cheek cell undergoing cell division.



(a) What name is given to this type of cell division?

(b) Use the diagram to describe how the two daughter cells are the same as each other and the same as the parent cell.

(c) What is the name and function of part A on the parent cell?

Name of part: _____

Function: _____

2. The diagram below shows a broken finger in the hand. Use the diagram to explain why mitosis is important to multi-cellular organisms.

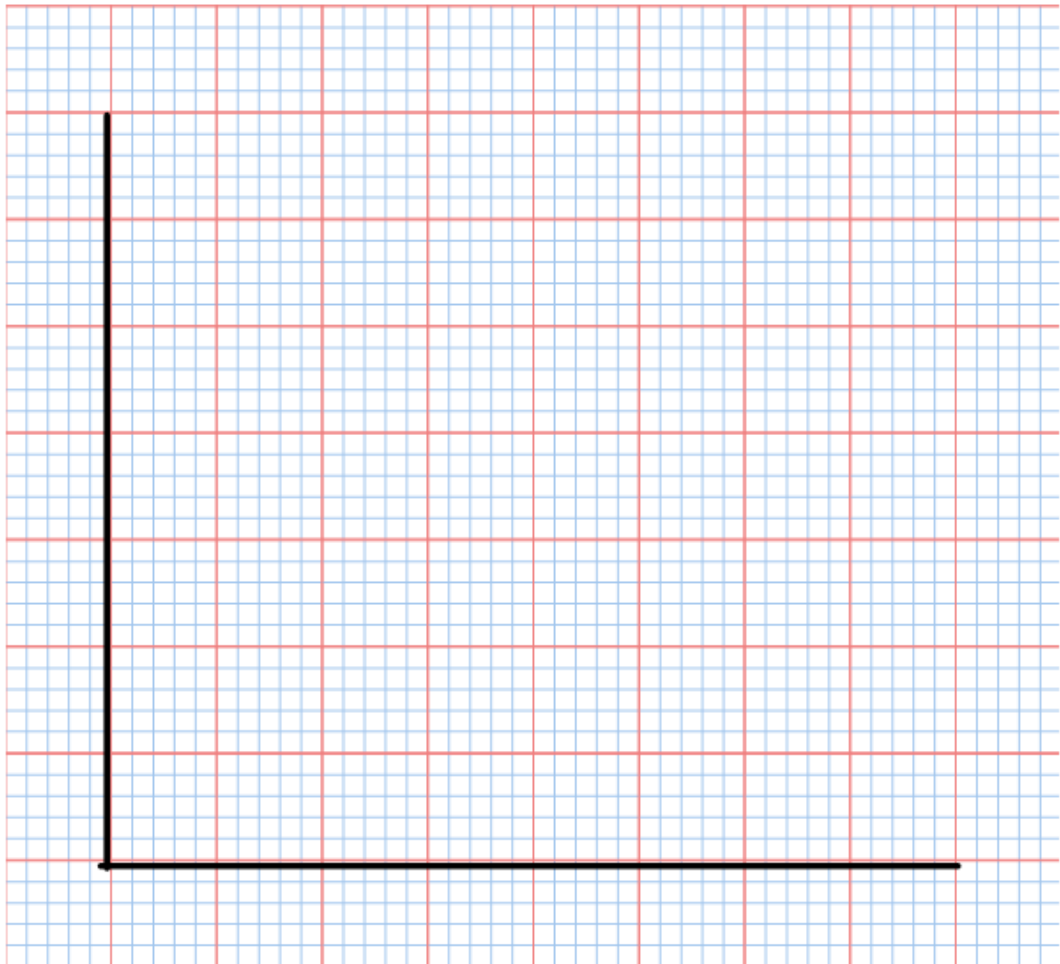


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S3 Biology Home learning
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3. The table below shows the length of time it takes different cells to complete one cycle of cell division.

Cell Type	Time for one cell to divide (minutes)
Human Nerve	0
Yeast	100
Red Cabbage Leaf	600
Human Skin	1,000

- (a) Present this information as a bar chart on the graph paper below. Don't forget to add suitable scales, labels and units.



- (b) If human skin became exposed to UV light repeatedly, DNA in the nucleus could get damaged. As a result, cell division could become faster and get out of control. What name is given to a disease such as the one described here.
