

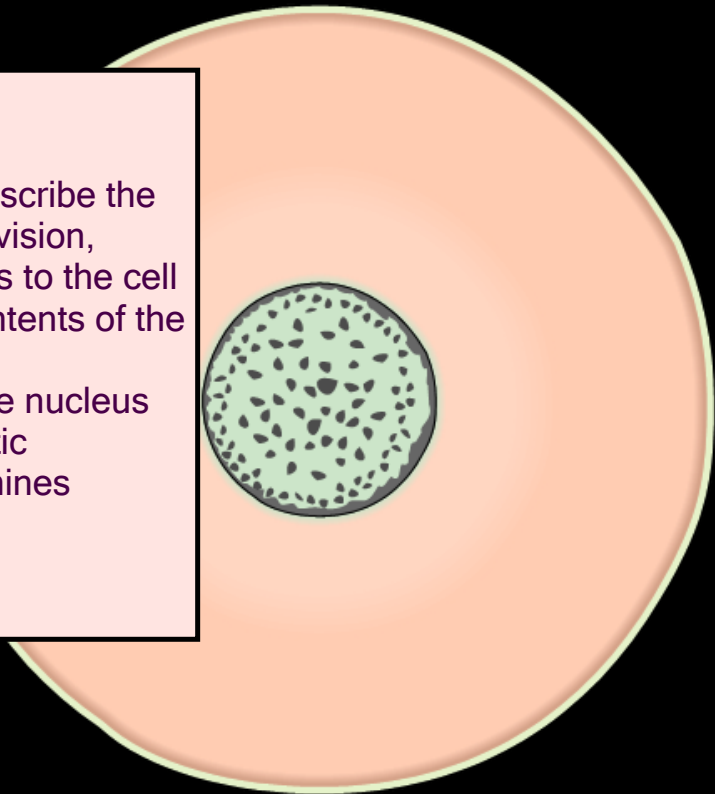
1/10th mm

BHS  
Grade 9 Science

**304-11** illustrate and describe the basic process of cell division, including what happens to the cell membrane and the contents of the nucleus


**305-1** recognize that the nucleus of a cell contains genetic information and determines cellular processes

Please press the show all links option before starting the lesson. It can be found under view of the drop down menu.



1

Your life began as a single cell, the fertilized egg (zygote). Nine months later, when you were born, approximately 100 trillion made your body



**1**  
Cell

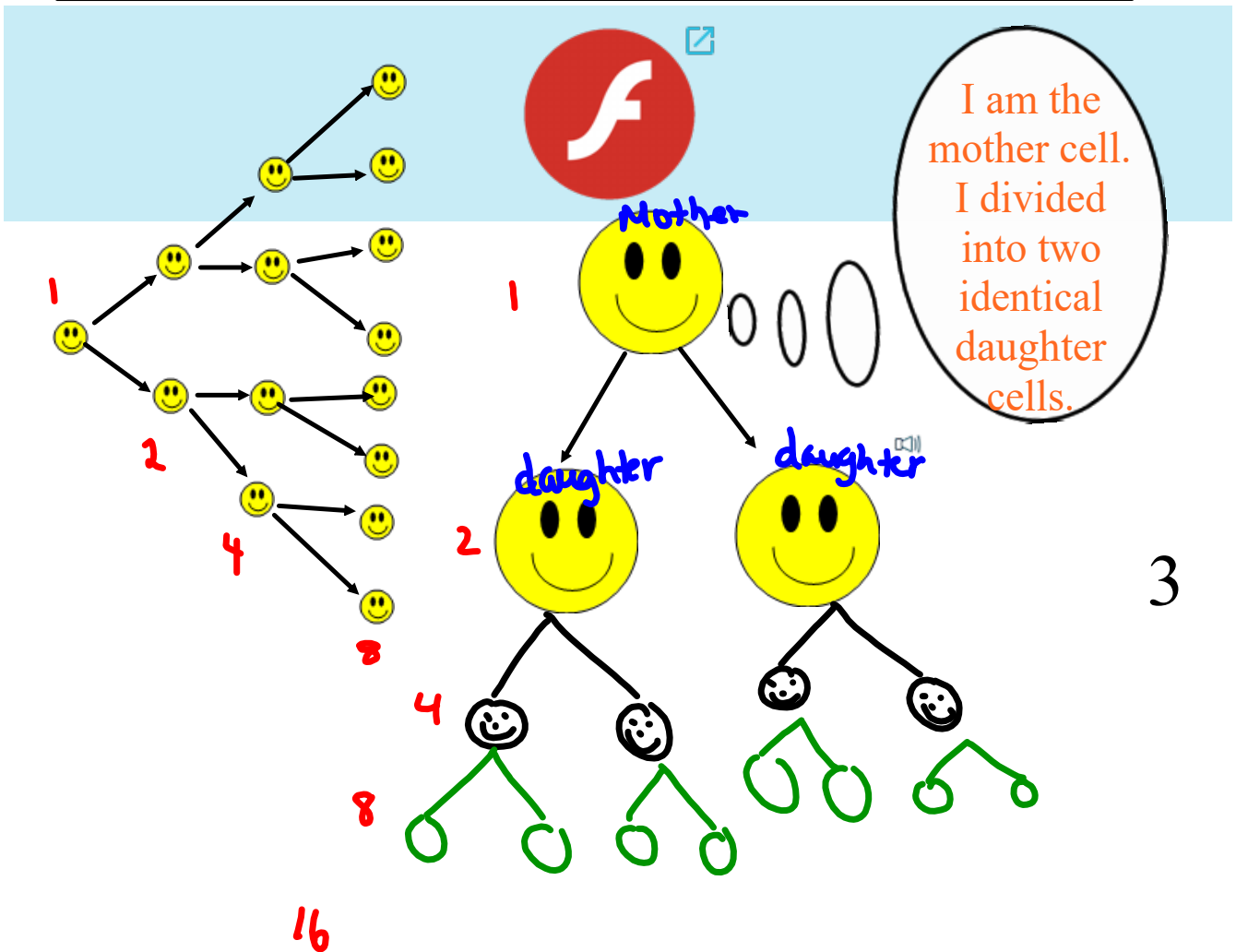
**2**

**Today's Investigation**  
How did one cell become 100 trillion cells?

## Cell Division

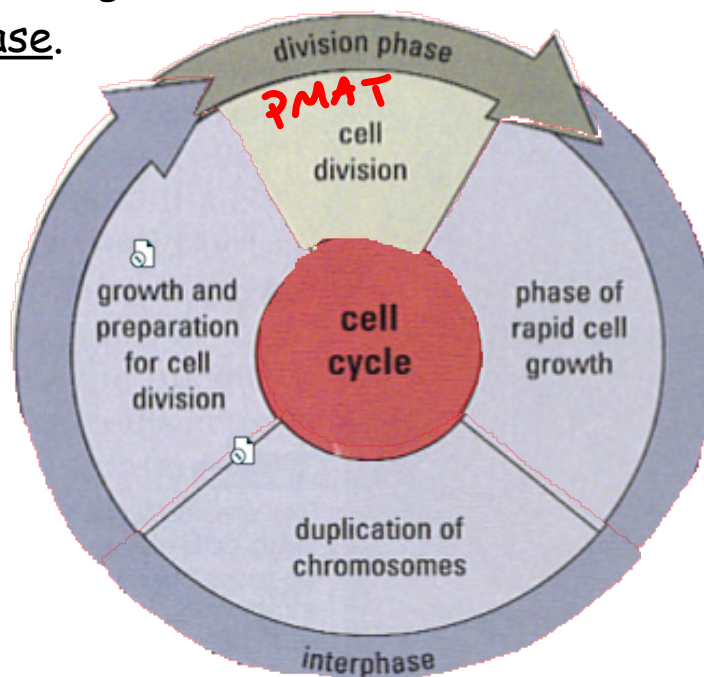
All cells come from preexisting cells through cell division.

Cells divide into two, then each into another two cells.

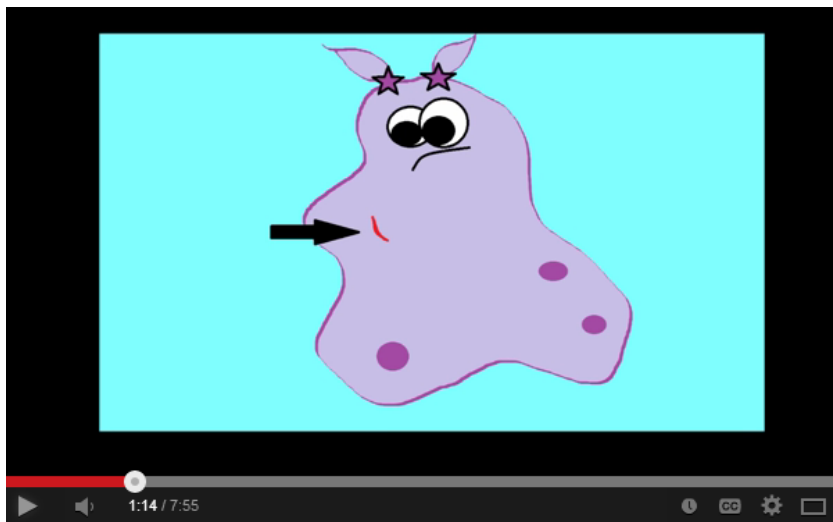


## The Cell Cycle → PMAT

Cells divide and rest. The sequence of event from one division to the next is called the cell cycle. For most cells, cell division is a small part of the cells life. The stage between cell division is called interphase.



<http://www.youtube.com/watch?v=gwcwSZIfKIM>



Mitosis: The Amazing Cell Process that Uses Division to Multiply!



through normal activity. Each of these cells must have a complete complement of the genetic material. Prior to cell

0:26 / 6:20

### Cell Cycle and Mitosis [3D Animation]

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