

Cells: The Good, the Bad, and the UGLY! NTS

Division

The four main parts involved in cell division are:

- 1) Cell membrane - its main function is to control what comes in & out of the cell.
- 2) nucleus - the control center that contains DNA, which gives the basic instructions for making proteins, which make up cells for the organism.
- 3) Centriol - organelles in the cytoplasm that help in cell division.
- 4) microtubules - act as the skeleton of the cell and help in cell division.

Part II: Why do cells divide?

The reason that cells divide is that

as a cell gets larger, the outside is unable to keep up with the inside, because the inside grows at a faster rate than the out,

Part III: What happens during mitosis?

The main functions of mitosis are:

- 1) growth
- 2) repair

Part IV: Go to www.bubbl.us to make a concept map to explain the information you have learned today. Print it or email it.

Part V: Formulate 5 questions for an expert about out of control mitosis. Star your top 3.

- 1) what can happen out of control cell?
- 2) what is the most common type of cancer?
- 3) is leukemia caused by out of control cell division or is there another reason?
- 4) what would happen if cells stopped dividing all together
- 5) _____