

# Cell Division: to stop or not to stop

Tyra Lamb

---

## Outline:

- Built-in controls in mitosis
  - Cells can not keep dividing, if they did there would be chaos.
  - one of the main controls of cell division is called contact inhibition.
  - Cells have growth factors, proteins that control cell division.
  - if these proteins are changed by mutation, controls are lost and the cell start to divide out of control.
- What Causes Cancer
  - Cancer ultimately occurs when cell grow out of control and do not die.
  - Normal cells divide, grow, and die but programmed cell death is called apoptosis, when this occurs Cancer begins to form.
  - unlike programmed cell death, normal

---

readwritethink  
K-12

Thinkfinity | verizon foundation

Copyright © 2012 Verizon Foundation. All rights reserved.