**Movie Notes**: As you watch the lesson, answer the following questions. Remember you can pause and rewind if necessary to help you take your notes.

* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ can clone themselves.
* Going from a 7 pound baby to a 70 pound child, your cells do not increasing in mass, you just \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
* Inside each cell, your \_\_\_\_\_\_\_\_\_\_\_\_\_\_ stores your DNA.
* How many total chromosomes does each cell have? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* What are the phases of Mitosis? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* For most of a cell’s life, the cell is in what phase? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Chromosomes meet in the middle, what is the name of this spot? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Where do chromosomes line up when they are getting ready to duplicate? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* A clone of a cell is called a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
* Clones of a cell are genetically \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to the original cell.

The following should be done on the website – but take note of what you write.

**Think:**

What are the 5 phases of Mitosis?

**Discuss:**

[Explain why our cells go through mitosis. Remember to use COMPLETE sentences and JUSTIFY your answer!](http://ed.ted.com/on/FQb61aYf/discussions/explain-why-our-cells-go-through-mitosis-remember-to-use-complete-sentences-and-justify-your-answer)

**… And Finally:**

Explain which cells go through mitosis.

\*\*\*Remember to use COMPLETE sentences and JUSTIFY your answer!