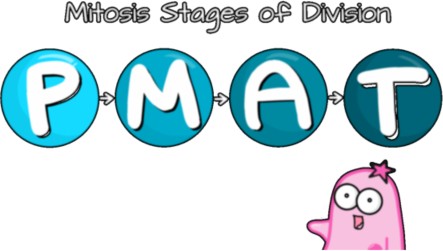
**Amoeba Sisters Video Recap of *Mitosis: The Amazing Cell Process That Uses Division to Multiply***

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| 1. Mitosis is done by your body cells. What types of cells do **not** undergo mitosis?  ***All cells that are not reproduction cells.*** | 2. Describe 2 ways that mitosis is important for your body.  ***They help you grow and help***  ***you heal.*** | 3. This illustration is trying to demonstrate something that mitosis is not. In mitosis, the cells that are created  are  ***Duplicates*** |
| 4. Mitosis is just one small part of the cell cycle! Describe what would occur if cells were in mitosis more than they were in interphase.  ***Cells would always duplicate.*** | 5. When cells are dividing, it is important to understand that they have to move **chromosomes** equally to both cells. Based on this illustration, describe what a **chromosome** is made of.  ***They’re made of DNA.*** | 6. Mitosis starts and ends with **diploid** cells. That means they have two sets of chromosomes (both parents each contribute a set). In humans, how many chromosomes should be in each of these **diploid** cells after mitosis?  ***46*** |



**Sketch the Mitotic Stages**

**Directions:** We encourage you to be creative with a cartoon illustration of your own for each phase. Label the **chromosomes**, **spindles**, and **nucleus** (if applicable).



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| **Prophase** | **Metaphase** |
| **Anaphase** | **Telophase** |

