

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

1. Mitosis is done by your body cells. What types of cells do **not** undergo mitosis?

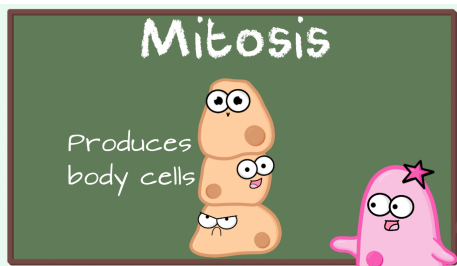
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2. Describe 2 ways that mitosis is important for your body.

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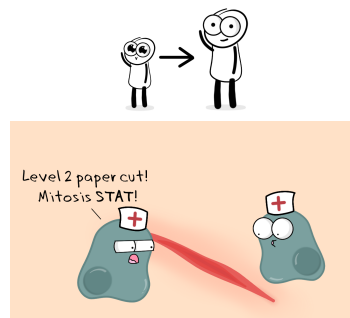
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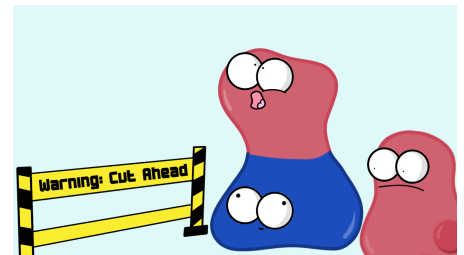


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3. This illustration is trying to demonstrate something that mitosis is not. In mitosis, the cells that are created are

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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.

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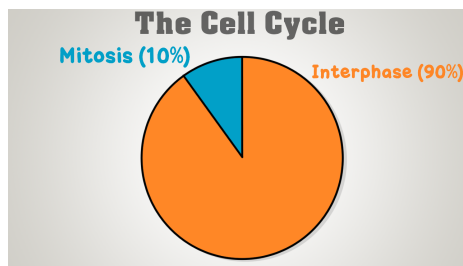
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5. When cells are dividing, it is important to understand that they have to move **chromosomes** equally to both cells. Based on this illustration, describe what a **chromosome** is made of.

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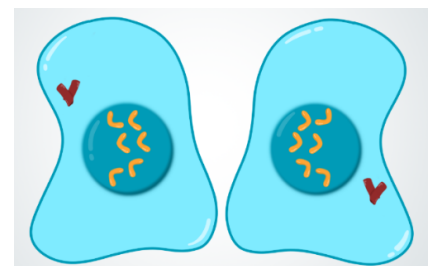


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6. Mitosis starts and ends with **diploid** cells. That means they have two sets of chromosomes (both parents each contribute a set). In humans, how many chromosomes should be in each of these **diploid** cells after mitosis?

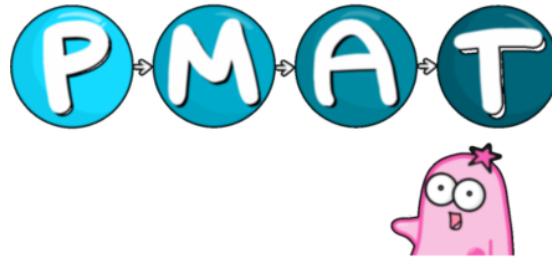
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**Sketch the Mitotic Stages**

**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).

*Mitosis Stages of Division*



<p style="text-align: center;"><b>Prophase</b></p>	<p style="text-align: center;"><b>Metaphase</b></p>
<p style="text-align: center;"><b>Anaphase</b></p>	<p style="text-align: center;"><b>Telophase</b></p>

