

Document the number of cells undergoing the different stages of cell division in this slide and based on your observation determine if it is a young or old root

- Prophase: 12
- Prometaphase: 7
- Metaphase: 4
- Anaphase: 8
- Telophase: 8
- I think this is a young onion root because a young healthy plant will be able to go through the processes of mitosis and the slide image of the onion root shows 8 of the cells are in the process of making new cells. Whereas, if the plant was old, it could have slowed down the process of mitosis.

Find an image of pond water, look at a slide image and write a paragraph about what you absorbed.

- The picture below is a microscope slide left in a garden pot pond for several weeks by Rosliston Astronomy group Blog. I observe many green substances that can range from being an object such as a tree branch to being a bacterial organism. All the substances or organisms have different shapes and sizes, which lead me to believe that some can be able to be seen by the naked eyes due to their large size, while the others can only be seen by using a microscope. Due to me not being able to recognize and clearly see the organisms, I can infer that some may be bacterias, worms, algae, or duckweeds because these are commonly seen organisms in pond water.

