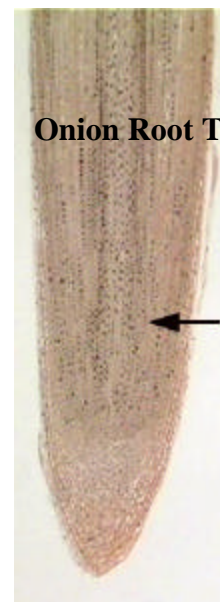


Observing Mitosis in plant and animal Cells

Observe using a microscope, cells in each phase of mitotic division.

- Obtain one prepared slide of either “Onion Root tips” (Plant Cells) or “White fish Blastula” (Animal Cells)
- When you have finished with one slide return it and select the other.
- Use the microscope to view your cells at 400X magnification. Search the slide for cells which are in phases of mitosis and sketch them in the correct location below.
 - Onion cells are activity dividing in the area just behind the root cap this is shown in the picture to the right.?
 - White fish cells will be actively dividing throughout the blastula

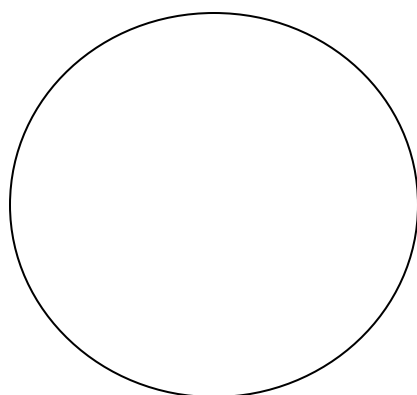


Onion Root Tip

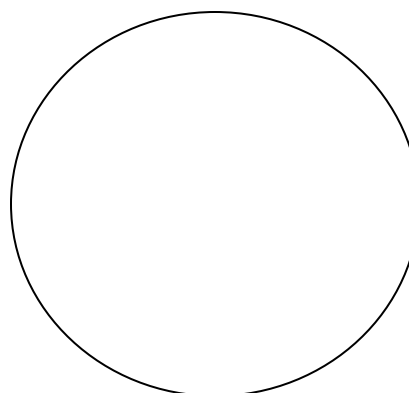
Tips for Sketching Cells

- *Draw Cells to correct Scale*
- *Use a pencil*
- *Show the following details in each Sketch where appropriate.*
 - *Nucleus*
 - *Chromosomes*
 - *Dark spots / Light Spots*

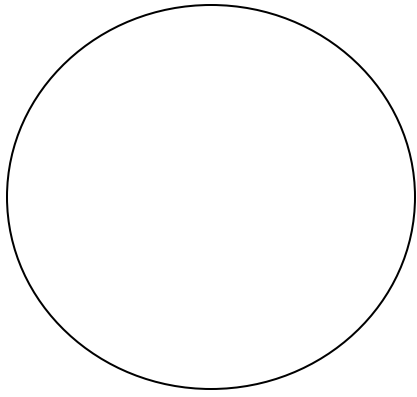
White Fish Blastula



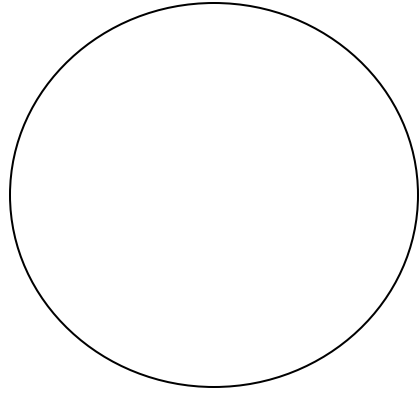
White fish Cell
Interphase
400X



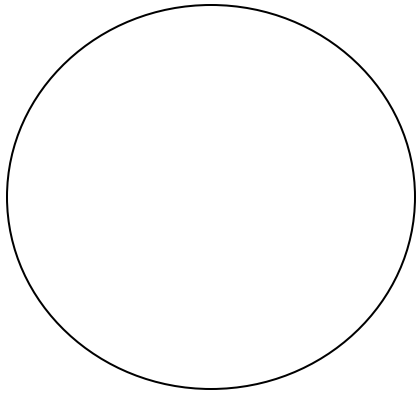
Onion Root Tip Cell
Interphase
400X



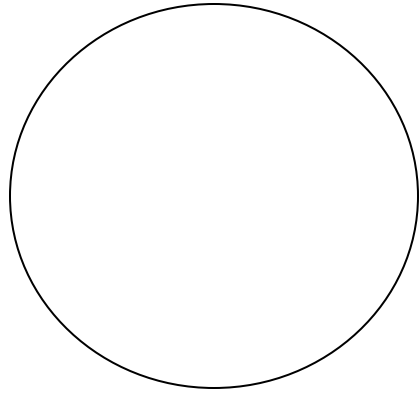
White fish Cell
Prophase
400X



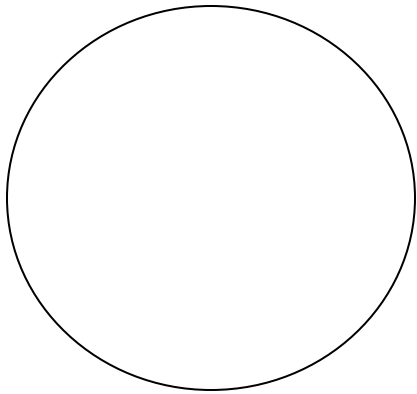
Onion Root Tip Cell
Prophase
400X



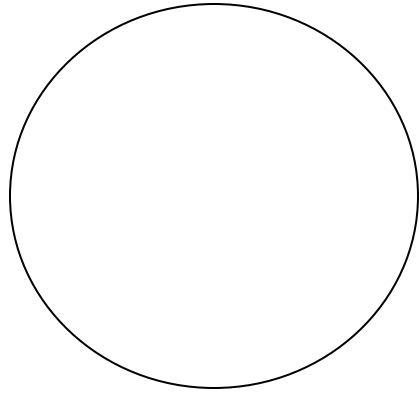
White fish Cell
Metaphase
400X



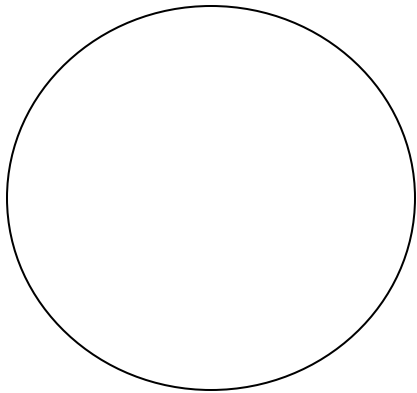
Onion Root Tip Cell
Metaphase
400X



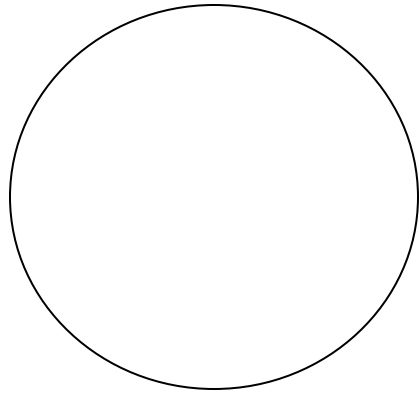
White fish Cell
Anaphase
400X



Onion Root Tip Cell
Anaphase
400X



White fish Cell
Telophase
400X



Onion Root Tip Cell
Telophase
400X