

## **MUSHROOM AND YEAST ACTIVITY**

Purpose: To observe the structure of mushrooms and yeast. Also, to observe what happens to yeast when water is added.

Procedure:

Use a compound microscope on low power.

1. Take a thin piece of the stipe, crush it on the slide, and spread it thin. Observe and draw the individual cells you see. If you don't, crush some more. Label the individual cells.
2. Take a thin piece of the cap, crush it on the slide, and spread it thin. Observe and draw the individual cells you see. Label the individual cells.
3. Take one individual piece of the gill. Look for basidia at the edges. The gill must be flat on the slide to find basidia. Label the basidia.
4. Take some dry yeast on a slide. Draw what you see.
5. Make a wet mount of the yeast solution. Observe budding in yeast. Draw at least 4 different stages.
6. Look at prepared slides of Ascomycetes – Sac Fungi. Make a biological drawing of what you see.

No conclusion