

Introduction to Microbiology

(Frey)

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Background

Where do Microorganisms come from? EVERYWHERE!!!! They are all around us; in this lab we will examine various microorganisms in the environment around us. This lab makes students aware of the microorganisms that are all around them, looking at them in basic forms.

Purpose

The purpose of this lab is to examine a variety of microorganisms in the environment around us and in varying environments.

Set-up

Student will examine microorganisms in many settings:

1. Microorganism found in soil under a microscope
2. Grow microorganism on agar using soil as a source of microorganisms
3. Grow fungi on tomato soup
4. Examine yeast cells under a microscope
5. To see yeast cells multiple over time
6. Examine algae and protozoa from pond water

Personal Opinion

This lab is not only a good introduction to microorganisms, but it also is an outstanding lab to emphasize lab technique and basic laboratory procedures. This lab is also beneficial because it is easily duplicable and has affordable materials. I plan to use this lab during my characteristics of life unit at the beginning of the year, prior to the ecology unit. I think this lab will easily and quickly show living things and the variety of locations they can live.