# Plant and Animals Cells

## Summary

This is a commonly done activity to teach microscope skills and the differences between plant and animal cells.

## Main Core Tie

SEEd - Grade 7

Strand 7.3: STRUCTURE AND FUNCTION OF LIFE Standard 7.3.1

## Time Frame

1 class periods of 60 minutes each

## Group Size

Individual

## Materials

elodea or onion cells
toothpicks
methyl blue stain or iodine
microscopes
microscope slides
cover slips
prepared slides
optional: a flex-cam to view the cells as a class

- worksheet

## Background for Teachers

Students need little background for this activity and this could be done as a beginning inquiry activity and students could discover the differences and similiarities on their own

## Instructional Procedures

Assign students to microscopes and describe location for storage and cleanup
Read the student sheet attached with students.
Allow time for students to work on the lab.
Show students the flex-cam view of the cells if possible.

## Assessment Plan

### Scoring Guide

Students follow directions and perform activity……4
Student make observations and record data……4
Student correctly answer analysis questions……4

Answers:

How are plant and animal cells alike? They are small, have some parts that are the same and perform life processes.
How are plant and animal cells different? Plants have a cell wall and chloroplasts (making them green) and are often squarely shaped.

Was your prepared slide plant cells or animal? Answers will vary
What were clues? Shape, cell wall or chloroplasts present, color

## Bibliography

Lesson Design by Jordan School District Teachers and Staff.

## Authors

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