

Animal Cells

Materials Needed: Toothpick, iodine, slides, coverslips, microscope, paper, plant slides or sketches from "Understanding Plant Similarities"

Questions for the Scientist:

1. How do animal cells differ from plant cells?
2. What are the characteristics of animal cells?

State Your Hypothesis: _____

Procedures:

1. Use a toothpick to gently scrape the inside of your cheek.
2. Transfer to a slide the cheek cells you collected.
3. Add a drop of iodine and place a coverslip on top.
4. Examine the slide under a microscope and record the microscopic power you are using for your observation.
5. Draw the cells you observe.

Key Questions:

1. Compare and contrast the animal cell with a plant cell using your plant slides or sketches from the previous experiment. _____

2. How are the functions of animal cells and plant cells similar and different? _____

Results and Application:

After studying your results, what conclusions can you draw? Do your results support your hypothesis? Explain your reasoning.