

Analyze and Evaluate

- (a) Why is Part A of this Activity called “Preparing a Dry Mount”? Why is Part B of this Activity called “Preparing a Wet Mount of Cells”? Explain the difference between wet and dry mount preparation.
- (b) In Part A, what was the difference between the letter “e” viewed with your unaided eye and the letter “e” as seen through the microscope? What can you conclude about the position of the image produced by a microscope in relation to the actual position of the specimen?
- (c) What happened to the letter “e” when you moved the slide forward on the stage? What happened to it when you moved it to the right? What can you conclude about the direction of movement seen through the microscope in relation to the actual direction of movement?
- (d) What effect did staining the onion cells have on their appearance under the microscope?
- (e) Give reasons why, in some cases, nothing could be seen through the microscope.

Apply and Extend



- (f) Using the Internet, research the uses of dry and wet mount techniques. Give examples of specimens that should be prepared each way.
- (g) Research the use of the microscope in forensics using Internet and library resources. Prepare a brief report to present to your class.

