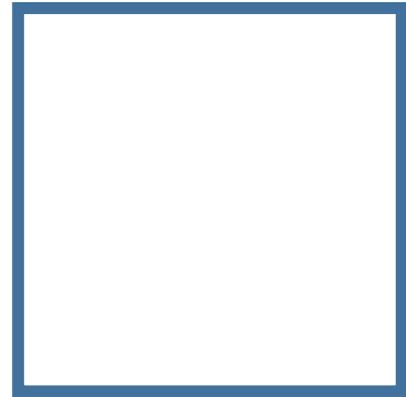


Virtual Image

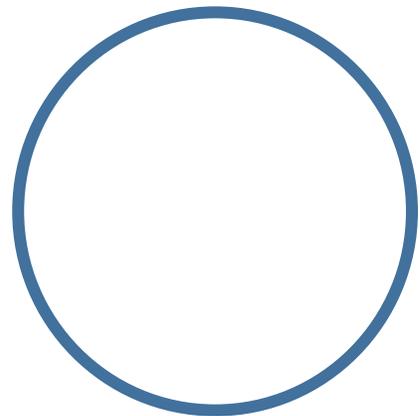
When you look directly at this type, you are seeing a true image. The microscope produces a virtual image. That means that the image is not visualized directly, but the result of the optics of the microscope.

1. Select a slide of either the letter 'e' or a flea.
2. Look at the slide with your naked eye. Draw what you see in the square. Pay special attention to the orientation of the specimen on the slide, is it upside down or right side up, is it facing to the right or to the left?
3. Place the slide on the microscope maintaining the same orientation.
4. Use the mechanical stage controls to move the slide over the light source.
5. Rotate the 4X objective over the stage and move the stage to its highest position.
6. Grasp the coarse adjustment knobs and focus down until the specimen begins to come into focus. Grasp the fine adjustment knobs and sharpen the image. Adjust the light levels if necessary.
7. Draw the image of the specimen in the box to the right.



Specimen as viewed with the naked eye.

Describe how the virtual image produced by the microscope is different than the true image.



Specimen as viewed with the microscope (40X).