1. In the microscopy labs, setting up Koehler illumination was essential for viewing your specimens. Which answer below best addresses the purpose of this technique?
    a. **Koehler illumination allows even lighting of the specimen, providing better contrast and resolution.**
    b. Koehler illumination increases the magnification of the specimen, allowing each structure to appear more detailed.
    c. Koehler illumination increases the field of view, but decreases the resolution in order to view structures as individual parts of the specimen.
    d. Koehler illumination reduces the magnification, but increases the contrast in order to resolve between individual parts of the specimen.

2. Use the diagram below to answer this question. What is the approximate length of an object, that when viewed under the microscope measures 80 ocular units? The smallest unit on the slide micrometer is 0.01 mm. Assume that the same microscope and magnification was used to view the object as was used for the calibration.

