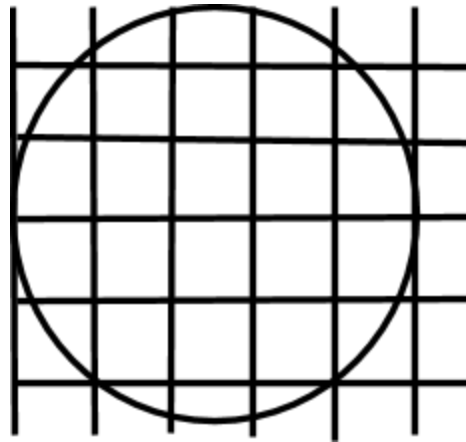


### 2.6 Homework: Estimating Specimen Size using Field of View

1) The circle shows the view of a 1 mm grid slide seen through a microscope. (Ignore lines that are outside of the circle.) What is the diameter of the field of view?



Using the diameter that you found above, estimate the size of each specimen below.

2) fruit fly from tip of tail to top of head



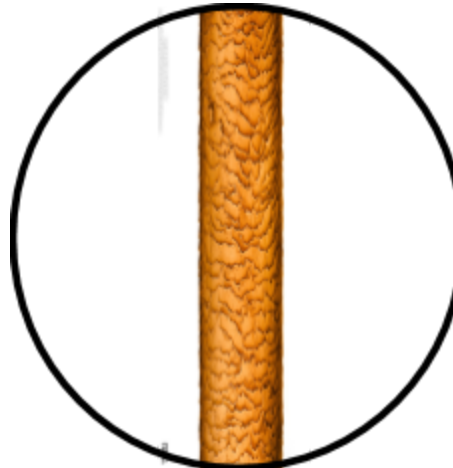
3) snowflake diameter



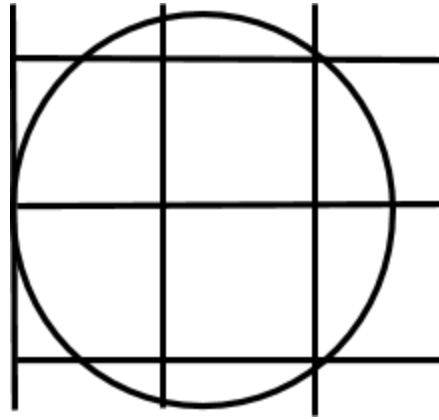
4) paramecium length



5) human hair width

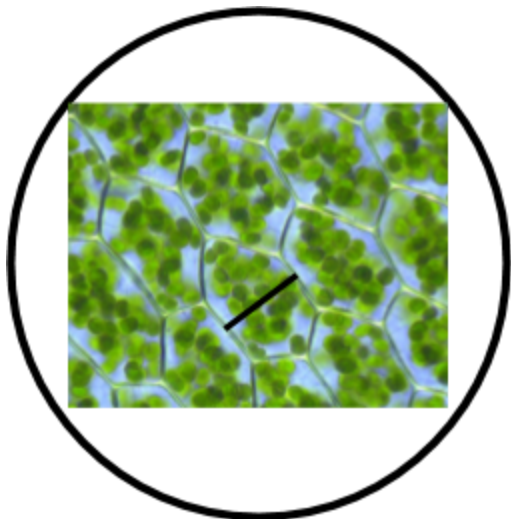


6) The circle shows the view of a 1 mm grid slide seen through a microscope. (Ignore lines that are outside of the circle.) What is the diameter of the field of view?



Using the diameter that you found above, estimate the size of each specimen below.

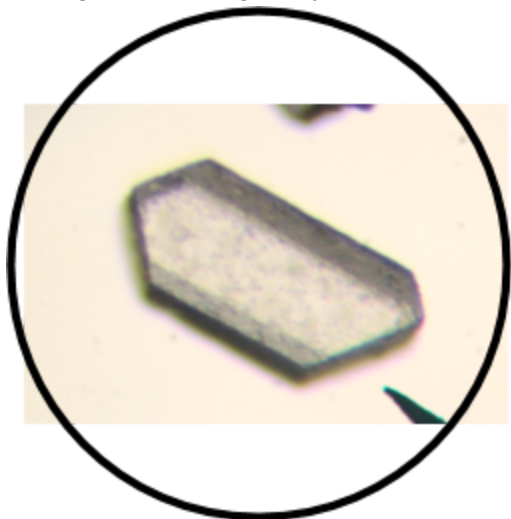
7) width of each leaf cell



8) diameter of each pollen grain



9) length of the sugar crystal



10) height of the diatom

