Forensic examination of hair by microscopy (by Barnes and Carlson, 11/19)

In this experiment, you will observe and sketch cat, dog, human, and rat hair. You will compare the known hair samples to the unknown hair sample to determine its identity.

Please note and sketch structural components (cuticle, cortex and medulla/examples found on internet) and scaling patterns (coronal, spinous and imbricate/examples found on internet) observed for each type of hair sample. Please note the total magnification of each drawing by multiplying the ocular eyepiece magnification value by the magnification value of the objective lens.

Example: 10x   x   10x   =   100x

        (Ocular)   (Objective)   (Total magnification)

Cat hair	Dog hair
= total mag.	= total mag.
Human hair	**Rat hair**
= total mag.	= total mag.
Unknown	**Forensic examination of hair by microscopy**
	Name:_____
= total mag.	Date:_____

(darrellbarnes.blog then select Forensic activities)