Name:	Period: Date:
	Hair Evidence Lab*

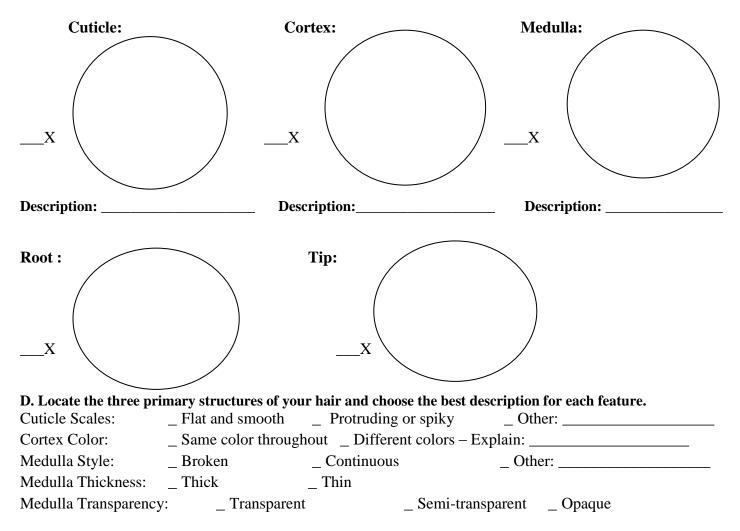
**Purpose**: To observe and draw human hair and non-human animal hair.

A. Pull out a strand of your hair and examine it with a hand lens. You may need to put it on a piece of white or

- black paper to make it easier to see. If your hair is too short, have a friend cut three strands.
- What does the root look like? Choose one.(Teardrop, Narrow, Rounded, Pointed, or other)
- What does the tip look like? Choose one. (Frayed, Smooth, Bent, Split, or Other)
- What color is it? \_\_\_\_\_ Is the color the same everywhere along the shaft?\_\_\_\_\_\_

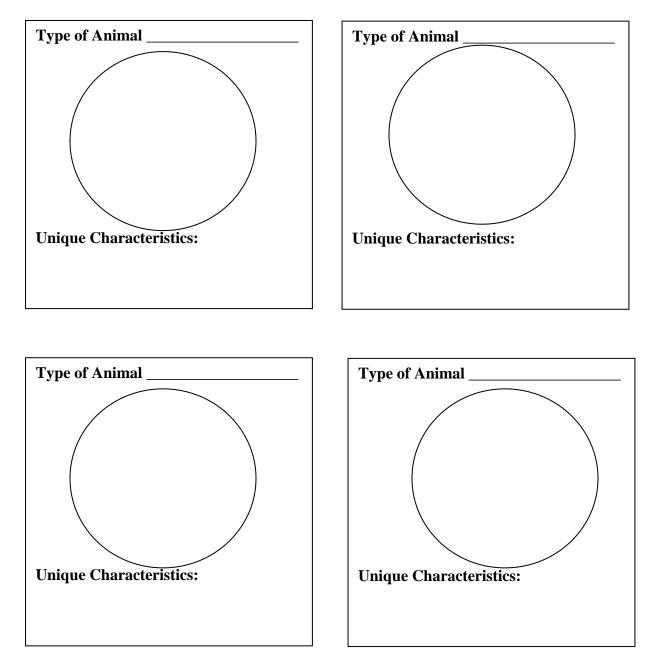
B. Place your hair on a slide, add a drop of clear nail polish to secure, and anchor with a cover slip. If nail polish is not available, obtain clear tape to secure hair onto the slide. View the shaft. Draw a sketch in the boxes below.

• Sometimes playing with the amount of transmitted light will make the hair more distinctive. Save your hair samples by taping it in your microscope slide. You will need this in the next activity.



E. Compare your hair sample to one from a classmate. How is it similar? How is it different? Draw you classmates hair to compare/contrast.

F. Examine at least four animal hairs provided by your teacher. Draw a sketch of the hair at 100X magnification and write down any unique characteristics you observe that help you tell the hairs apart.



G. Write a paragraph that compares the human and animal hair samples you examined. What differences did you notice? What characteristics could you use to identify the hair samples?