Analysis of Hair – Mini-lab

You do NOT need to write a full lab report. You only have to turn in these pages.

I. Scale pattern sketches: Determine the scale pattern of each sample and make a sketch

Sample 1   Sample 2   Sample 3
____**Dog**_____   ___**Cat**_____   _____**Human**_____

Pattern _____   Pattern _____   Pattern _____

Sketch: Sketch: Sketch:

II.   Medulla sketches: Which type of medulla is present? (continuous etc.) Is it uniserial or multi-serial? Draw a sketch for each sample

Sample 1   Sample 2   Sample 3
_____**Dog**_____   _____**Cat**_____   _____**Human**___

Pattern _____   Pattern _____   Pattern _____

           _____   _____   _____
Sketch: Sketch: Sketch:

III.   Root type: Is it spade, club, frayed etc? Make a sketch.

Sample 1   Sample 2   Sample 3
_____**Dog**_____   _____**Cat**_____   _____**Human**_____

Pattern _____   Pattern _____   Pattern _____

Sketch: Sketch: Sketch:

IV.   Fun time: Choose two other samples of hair i.e. another color, texture, from
        another animal, forcibly removed etc. Sketch these 2 samples and give a brief
        description of them.

                Fun sample 1
                Sketch   Description

                Fun sample 2
                Sketch   Description

<u>Lab Questions:</u>
1. Hair is usually class evidence. How can it become more individualistic?

2. What two parts of a piece of hair give it its color? Explain?

3. How do you calculate the medullary index of hair? How is an animal's index different from a human's index?

4. Can serologists extract DNA from every pieces of hair evidence? Explain.

5. How can the medulla help the hair expert determine race?