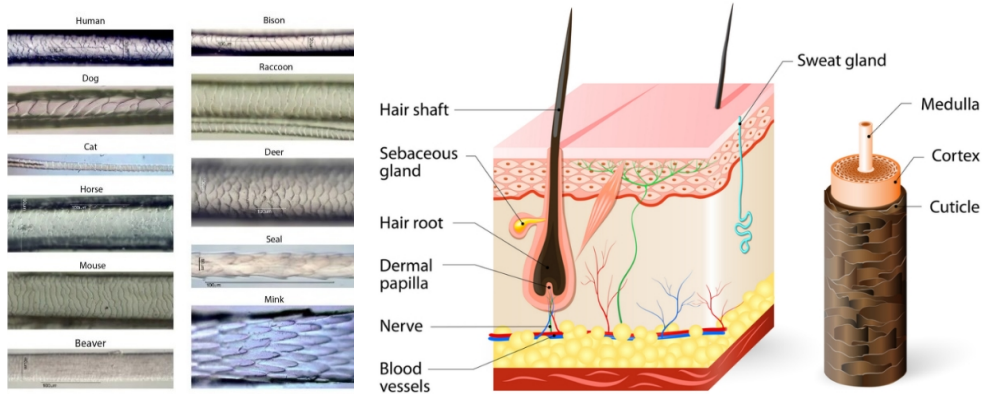


Day 16 - Forensics – 9-19-24 to 9-20-24

CLASSWORK – Hair



1) HAIR IDENTIFICATION LAB (15 min)

a) Begin your lab report:

- Title
- Objective/Goal/Question
- Hypothesis
- Materials
- Method
- Safety

b) Perform in class:

-Observations

c) By Sunday evening:

-Analysis

-Conclusion

2) VIDEO NOTES:

a) Forensic Science and Hair Analysis-Part 1:

<https://www.youtube.com/watch?v=9r8ped2ptiY>

b) Forensic Science and Hair Analysis-Part 2:

<https://www.youtube.com/watch?v=hqjN4swlYQg>

c) Hair Analysis-Lesson 2 (Skipped 1):

<https://www.youtube.com/watch?v=ZcuruXK9dQ0>

d) Forensic Science and Hair Analysis-Part 3:

<https://www.youtube.com/watch?v=QKBRiRYlv6I>

3) EXPLAIN/DRAW:

Take a sheet of blank paper, roll into a tube and crease to make 3 boxes. Explain, label, and illustrate your drawings. Your text can be in pen, but your drawings must be in colored pencil. There will be a work-check half-way into the assignment.

FRONT

1) Identifying species through hair samples

[https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6088218/#:~:text=The%20pattern%20of%20the%20cuticle,Coman%2C%201974%5B3%5D\).](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6088218/#:~:text=The%20pattern%20of%20the%20cuticle,Coman%2C%201974%5B3%5D).)

2) Hair root shape (pg 113)

<https://www.casdschools.org/site/handlers/filedownload.ashx?moduleinstanceid=7462&dataid=6506&FileName=05-Hair.pdf>

3) Structure of hair

<https://rejuvenatehairtransplant.com/wp-content/uploads/2019/06/hair-structure.png>

BACK

4) Medullary Characteristics (pg 41)

<file:///C:/Users/javam/Downloads/Hair%20and%20Fiber%20text.pdf>

5) Three phases of hair growth (pg 113)

<https://www.casdschools.org/site/handlers/filedownload.ashx?moduleinstanceid=7462&dataid=6506&FileName=05-Hair.pdf>

6) Forensic toxicology

<https://www.elgalabwater.com/blog/drug-testing-hair-samples-clinical-and-forensic-toxicology>

4) HOMEWORK:

- 1) Complete the simple **Lab Report**.
- 2) Finish the **Video Notes** assignment.
- 3) Complete the **Explain/Draw** assignment.

Submit on Schoology as soon as complete.

ADDITIONAL RESOURCES: (not mandatory)

Hair Evidence – Mr. Hainey Science

<https://www.youtube.com/watch?v=8CN0cQiQEus>

a