**Hair Analysis Lab**

**Procedure:**

**Part 1: Observation of Your Own Hair**

1. Obtain a clean glass slide.

3. Wipe a thin layer of clear nail polish on the slide about the length and width of your thumb.

4. Either pull out or cut a hair from your head.

5. While holding onto the hair between two fingers in front of the slide, slowly lower the hair onto the slide being careful not to wiggle the hair back and forth. Pull the hair down into the nail polish and let go of the hair.

6. While you wait for it to dry, **go to PART TWO**

7. After 10 minutes, grasp the lose end of the hair and pull straight up to completely remove the hair from the nail polish.

8. Your cuticle should remain behind in the nail polish.

9. Make sure the polish is dry.

10. Observe the slide (nail polish area) using the 10X objective lens.

11. Take a picture with your phone/Ipad through the lens.

12. Using a program that will let you write on pictures (Notability, Doodle Buddy, Pic Stich, etc…) label your picture with your name and the cuticle (scale) pattern that you have.

**Part 2: Analysis of Hair**

1. Obtain a glass slide.

2. Remove a hair from your head, preferably a hair that contains a root. You may pull it out or use scissors to cut it.

3. Place the hair on your desk.

4. Hold the tape with the sticky side facing the hair on the table. Hold the tape near the hair, but do not touch the hair. The hair should be attracted to the sticky surface of the tape.

5. Place the tape with the attached hair to the plastic slide. Use your finger to press down on the tape to squeeze out any air pockets. Cut off the excess tape (and hair). You now have a permanent slide.

6. Label the slide with your name using a permanent marking pen.

7. Focus the hair using 10x objective lens.

8. Take a picture with your phone/Ipad through the lens.

9. Using a program that will let you write on pictures (Notability, Doodle Buddy, Pic Stich, etc…) label your picture with:

a. Your name

b. Your medulla type

**REPEAT PART 1 AND 2 USING YOUR LAB PARTNER’S HAIR!!!!!!**

