

Ask students to form hypotheses about other questions pertaining to hair. Have the students design experiments to test their hypotheses.

Ideas for further study:

1. Does baby hair differ from adult hair?
2. Can hair spray, gels, and other hair treatments be noted under a microscope?
3. Does eyebrow hair differ from head hair?
4. Is it possible to detect if a person had his or her hair cut with scissors or a razor?
5. Is it possible to tell if hair was burned if someone was near a fire?
6. Is there a difference in the structure of hair in a dog's winter coat versus his summer coat?
7. Do all blonds have the same type of medulla?
8. Does bleaching or dying one's hair affect the structure of the hair?
9. Does using hair conditioner on one's hair make a difference in the appearance of hair under a microscope?

In addition:

- develop a chart that shows the physical characteristics of hair from different races (European, Asian & African). Include images of general appearance, cross section & other unique characteristics.
- show images of cuticle patterns that distinguish human hair from animal hair

- Research the three stages of the life cycle of the hair. Explain what the hair looks like in each stage, how long does the hair last, and what characteristics at each stage that would be helpful in a criminal investigation.