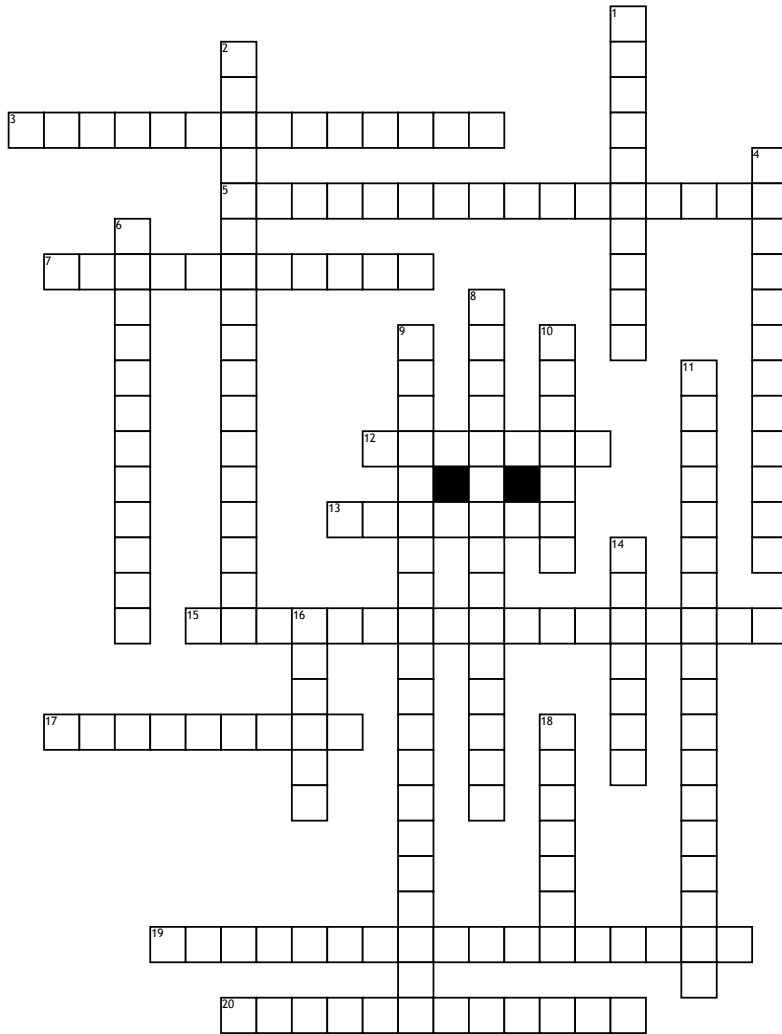


Hair Analysis Vocabulary



Across

- 3. The ratio of the diameter of the medulla to the diameter of the entire hair.
- 5. is the small circular chromosome found inside mitochondria.
- 7. is the active growth phase of hair follicles during which the root of the hair is dividing rapidly, adding to the hair shaft.
- 12. having spines; spiny
- 13. any vertical plane that divides the body into ventral and dorsal sections.
- 15. is an analytical technique used to separate the chemical components of a sample mixture and then detect them to determine their presence or absence and/or how much is present.

- 17. arrange so that they overlap like roof tile.
 - 19. is the medulla formed in the center of the hair as a solid line.
 - 20. is the resting phase of the hair follicle.
- Down**
- 1. is the DNA contained within each cell nucleus of a eukaryotic organism.
 - 2. There is almost no medulla in the hair.
 - 4. is a short transition stage that occurs at the end of the anagen phase
 - 6. the sheath of cells and connective tissue which surrounds the root of a hair.
 - 8. is the cytoplasmic structure of the melanocyte which carries the melanin pigment.

- 9. a device used to analyze side-by-side specimens.
- 10. the inner region of an organ or tissue, especially when it is distinguishable from the outer region or cortex.
- 11. The medulla is seen as individual cells, as if it is fragmented. The pattern can be regular or irregular.
- 14. a fibrous protein forming the main structural constituent of hair, feathers, hoofs, claws, horns, etc.
- 16. the outer layer of the cerebrum composed of folded gray matter and playing an important role in consciousness.
- 18. a layer of clear skin located along the bottom edge of your finger or toe.

Word Bank

- | | | | |
|-----------------------|--------------------|--------------------|---------------------|
| Catagen Phase | Melanin Granules | Keratin | Telogen Phase |
| Coronal | Nuclear DNA | Cuticle | Medullary Index |
| Spinous | Anagen Phase | Gas Chromatography | Fragmented Medulla |
| Comparison Microscope | Continuous Medulla | Medulla | Mitochondrial DNA |
| Imbricate | Cortex | Hair Follicle | Interrupted Medulla |