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Hair and Fiber

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| **Across**  **4.** round cross-section shape  **6.** most prevalent plant fiber  **8.** flat cross-section shape  **14.** fiber derived from either natural or synthetic polymers  **16.** main body of the hair shaft  **17.** what part of the hair shaft distinguishes by pattern?  **18.** naturally falling out hair has a what shaped root  **19.** first stage of hair growth  **20.** transition phase of hair growth | **Down**  **1.** how the fiber refracts in light  **2.** fiber that is treated and dissolved to make a fiber  **3.** the resting phase of hair growth  **5.** surrounds the shaft near the root and contains the richest source of DNA  **7.** oval cross-section shape  **9.** fiber derived from animal or plant sources  **10.** fiber solely made from chemicals  **11.** first manufactured fiber  **12.** cellular column running through the center of the hair  **13.** manufactured fiber in 1939  **15.** what can you not tell by looking at the hair |