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| Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

Forensic Hair and Fiber Analysis

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|  |  |  |  |  | 2  I | N | T | E | R | R | U | P | T | E | D |  |  |  |  |
|  |  |  |  |  | R |  |  |  |  |  |  |  |  |  |  |  | 3  S |  |  |
|  | 4  A | N | A | G | E | N | P | H | A | S | E |  |  |  |  |  | E |  |  |
| 5  N |  |  |  |  | C |  |  |  |  |  |  |  |  |  | 6  C |  | C |  |  |
| A |  | 7  P | R | O | T | E | I | N | S |  | 8  C |  |  |  | E |  | O |  |  |
| T |  |  |  |  | T |  |  |  |  |  | A |  |  |  | L |  | N |  |  |
| U |  | 9  M |  | 10  F | R | A | G | M | E | N | T | E | D |  | L |  | D |  | 11  C |
| R |  | E |  |  | A |  |  |  |  |  | A |  |  |  | U |  | A |  | U |
| A |  | D |  |  | N |  |  |  |  |  | G |  |  |  | L |  | R |  | T |
| L |  | U |  |  | S |  |  | 12  F | I | V | E |  |  |  | O |  | Y |  | I |
| F |  | L |  |  | F |  |  |  |  |  | N |  |  |  | S |  | T |  | C |
| I |  | L |  | 13  T | E | L | O | G | E | N | P | H | A | S | E |  | R |  | L |
| B |  | A |  |  | R |  |  |  |  |  | H |  |  |  |  |  | A |  | E |
| E |  |  |  |  |  |  |  |  | 14  C |  | A |  |  |  |  |  | N |  |  |
| R |  | 15  C | O | N | T | I | N | U | O | U | S |  |  |  |  |  | S |  |  |
| S |  |  |  |  |  |  |  |  | R |  | E |  |  |  |  |  | F |  |  |
|  |  |  |  |  |  |  |  |  | T |  |  |  |  |  |  |  | E |  |  |
|  |  |  |  |  |  | 16  M | I | N | E | R | A | L | F | I | B | E | R |  |  |
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| **Across**  **2.** A pigmented line that is broken at regular intervals  **4.** The initial growth phase during which the hair follicle is actively producing hair.  **7.** All animal fibers are made of \_\_\_\_\_\_\_\_  **10.**  It is a pigmented line unevenly spaced  **12.** How many medulla patterns are there?  **13.** The hair growth has ended by this stage  **15.**  It is one unbroken line of color  **16.** Asbestos is an example of a \_\_\_\_\_\_\_ | **Down**  **1.** When fibers are transferred directly to a victim or to a suspect it is a \_\_\_\_\_  **3.** If fibers are transferred from the original source to a suspect and then to a victim, it is a \_\_\_\_\_\_\_  **5.** \_\_\_\_\_\_\_ come from animals, plants, and minerals that are mined from the ground.  **6.** What are plant fibers made of?  **8.** The transition phase, were the hair growth decreases for two to three weeks  **9.** It is the inside layer running down the center of the cortex  **11.** Outside covering, made of overlapping scales  **14.** The inner layer made up of keratin and is embedded with pigment |