

## EXERCISE 6 • Matching Structures and Functions

Match the structures below with their specific functions.

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| _____ 1. Hair follicle         | <b>A.</b> Protects the body from invading pathogens and the sun        |
| _____ 2. Fingernail            | <b>B.</b> Sensitive to chemicals released by tissue damage             |
| _____ 3. Arrector pili         | <b>C.</b> Produces sweat   |
| _____ 4. Sebaceous gland       | <b>D.</b> Contracts to raise hairs trapping air for insulation of skin |
| _____ 5. Sudoriferous gland    | <b>E.</b> Tube that shapes hair shaft as it grows                      |
| _____ 6. Eccrine gland         | <b>F.</b> Sensitive to vibration and light touch                       |
| _____ 7. Apocrine gland        | <b>G.</b> Sensitive to deep touch, pressure, and tissue distortion     |
| _____ 8. Nociceptor            | <b>H.</b> Excretes sweat for thermal and water regulation only         |
| _____ 9. Merkel disc           | <b>I.</b> Protects fingers; helps us scratch and grasp small objects   |
| _____ 10. Meissner's corpuscle | <b>J.</b> Senses movement of hair shaft                                |
| _____ 11. Pacinian corpuscle   | <b>K.</b> Sensitive to light touch                                     |
| _____ 12. Ruffini's corpuscle  | <b>L.</b> Excretes oil   |
| _____ 13. Hair root plexus     | <b>M.</b> Excretes sweat with traces of lipids and pheromones          |
| _____ 14. Sebum                | <b>N.</b> Sensitive to high-frequency vibrations and deep pressure     |
| _____ 15. Epidermis            | <b>O.</b> Lubricates and softens the outer surface of the skin         |