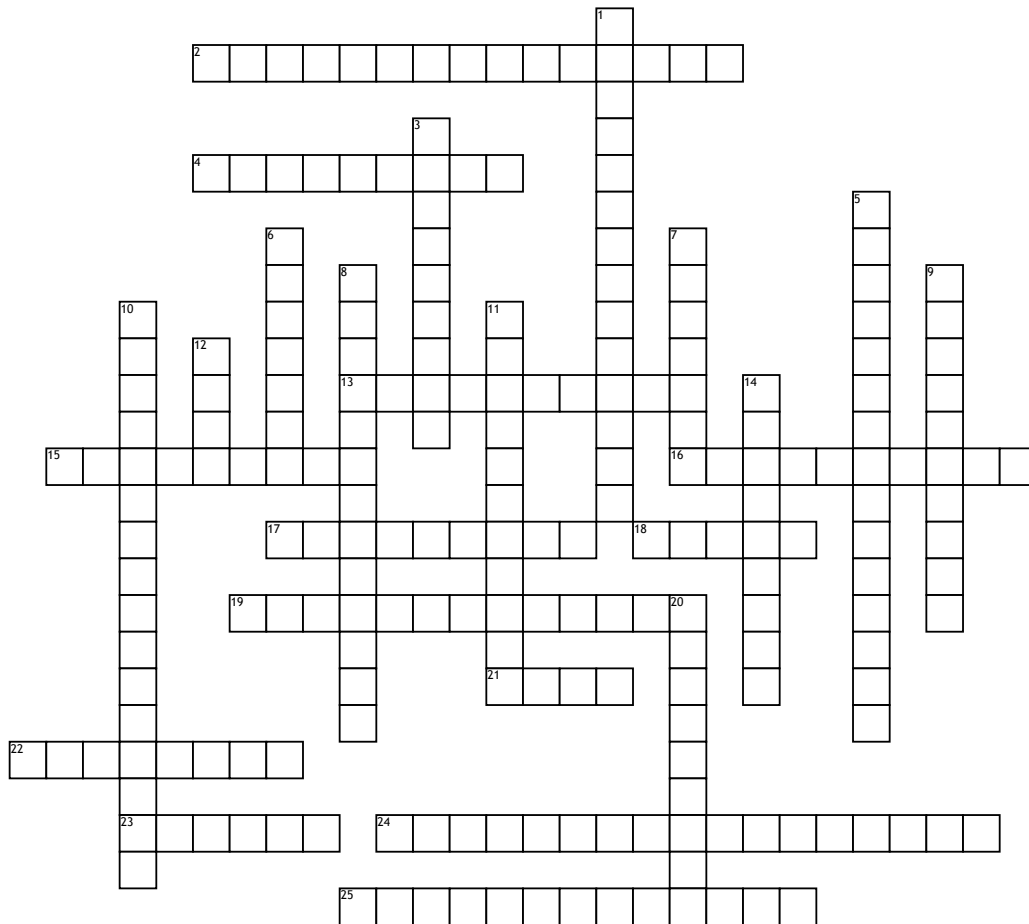


Integumentary System



Across

2. Located near the hair follicles secrete oil to keep skin and hair soft and moist
 4. Is the upper layer of the dermis, it has ridges and valleys causing finger prints.
 13. What is the most important function of the integumentary system
 15. Line a body cavity that does not directly open to the outside
 16. Nails grow from a thin area
 17. Layer is made of dense elastic fibers (connective tissue), this houses hair follicles, nerves, and certain glands
 18. A red, raised, itchy skin rash that is sometimes triggered by an allergen
 19. In the epidermis serve to sense and transmit heat, pain, and other noxious sensations

21. What is the largest organ in the body
 22. Immune cells live in the skin and provide the first line of defense against infections
 23. Has two layers, the upper papillary and lower reticular layers
 24. Secrete sweat to regulate temperature and are located under the dermis with ducts to the surface
 25. The epidermis contains different types of cells, the most common are;

Down

1. Living epithelial cells into the dermis that is called the
 3. Skin and hair provide protection from harmful ultraviolet
 5. These are formed in the bone marrow and then migrate to the epidermis
 6. Stiffens epidermal tissue to form finger nails

7. its brown or black pigment produced by melanocytes to protect the skin from UV radiation
 8. it is primary located beneath the skin, but also found around internal organs.
 9. It contains connective tissue, blood capillaries, oil and sweat glands, nerve endings, and hair follicles
 10. Secrete wax to stop dust entering the ear
 11. When internal temperature rises, the eccrine glands secrete water to the skin surface, where heat is removed by evaporation
 12. Shaft projects through the dermis and epidermis and is kept soft by the sebaceous glands
 14. The outermost layer of the skin, which is composed of squamous cells
 20. The papillary layer is outermost and extends into the epidermis to supply it with vessels

Word Bank

| | | | | |
|-------------|------------------|-------------------|----------------|--------------------|
| Membranes | Sweat glands | Ceruminous glands | Adipose tissue | melanin |
| Vein artery | Nail matrix | Epidermis | squamous cells | protection |
| Dermis | Skin | Hair follicle | Hair | Langerhan's cells |
| Reticular | Sebaceous glands | Radiation | Hives | Keratin |
| Papillary | Sensory nerves | Vitamin d | Sweat pore | Sudorferous glands |