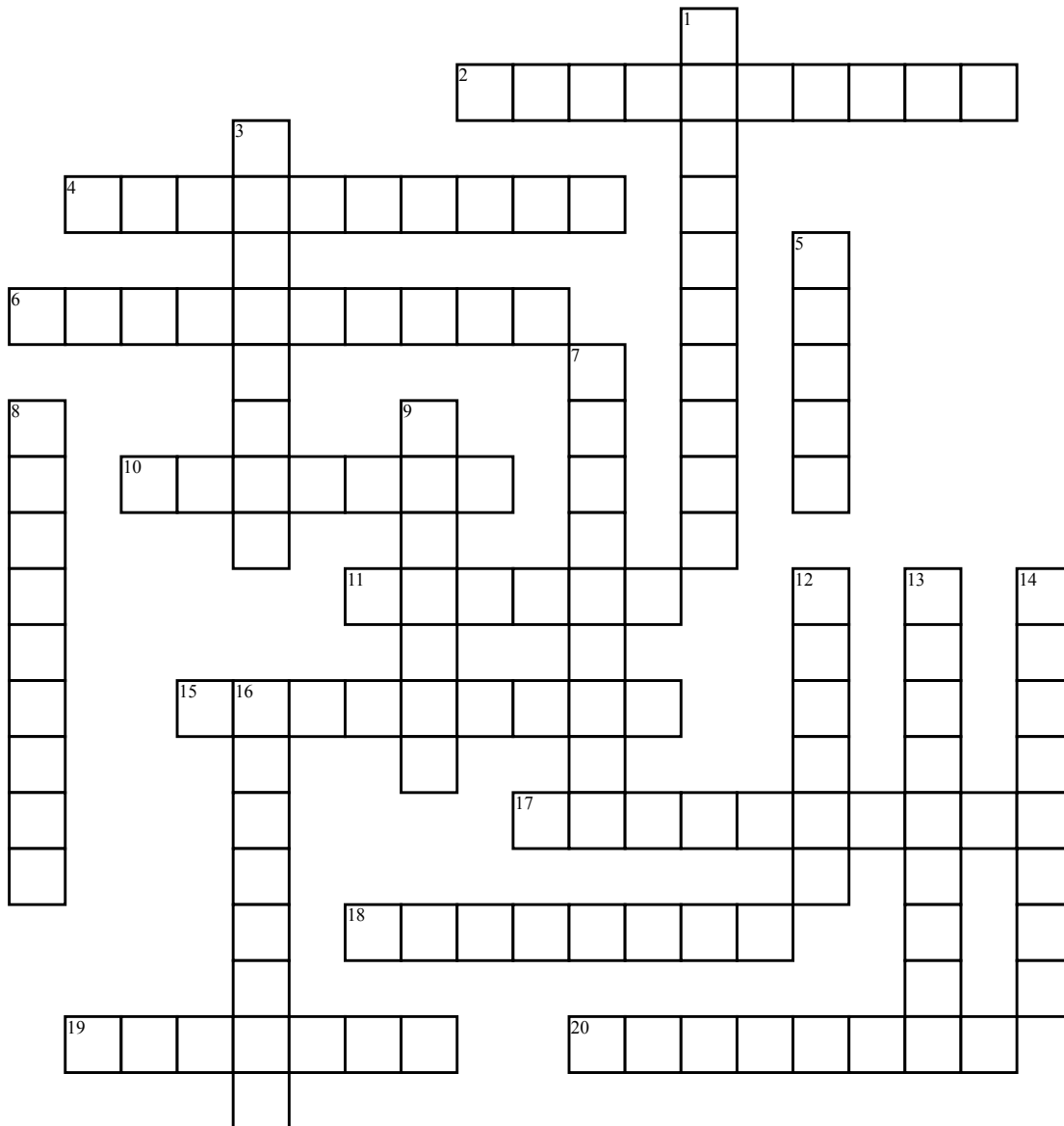


Functions of the Integumentary System



Across

2. From abrasion, bacteria, dehydration, and UV radiation
4. is an epidermal layer of cells that secretes the chitinous cuticle.
6. Of body temperature
10. a small patch of light brown color on the skin, often becoming more pronounced through exposure to the sun.
11. a dry, dark scab or falling away of dead skin, typically caused by a burn, or by the bite of a mite, or as a result of anthrax infection.
15. the outer layer of cells covering an organism, in particular.

17. a tough outer protective layer, especially that of an animal or plant.

18. Some cells of the epidermis fight foreign invaders

19. a fibrous protein forming the main structural constituent of hair, feathers, hoofs, claws, horns, etc.

20. Is made in the skin

Down

1. mature melanin-forming cell, typically in the skin.

3. the main structural protein found in animal connective tissue, yielding gelatin when boiled.

5. an oily secretion of the sebaceous glands.

7. Nerve ending detects temperature, touch, pressure, and pain

8. a pale or white-topped pustule on the skin.

9. a small bubble on the skin filled with serum and caused by friction, burning, or other damage

12. a thickened and hardened part of the skin or soft tissue, especially in an area that has been subjected to friction

13. Of ions, urea, organic compounds, and water

14. a solid swelling of clotted blood within the tissues.

16. small rounded protuberance on a part or organ of the body.