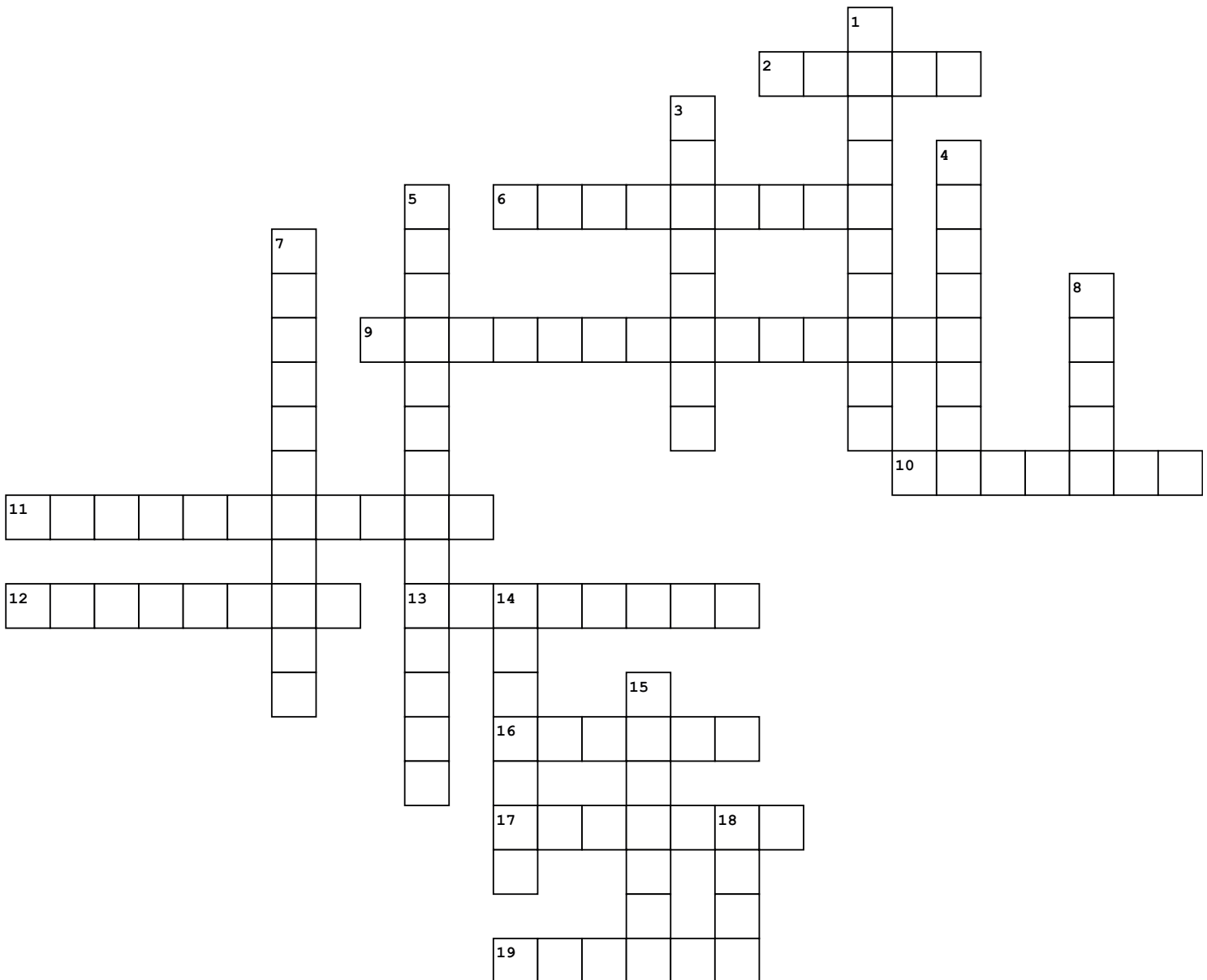


Milady Chapter 11 Properties of the Hair and Scalp

(2)



Across

2. Spiral shape of a coiled protein created by polypeptide chains that intertwine with each other.
6. The hair cuticle is the ? layer of hair.
9. Process by which newly formed cells in the hair bulb mature, fill with keratin, move upward, lose their nucleus and die.
10. A fibrous protein that grows from cells originating within the hair follicle.

Down

1. Ability of the hair to stretch and return to its original length without breaking.
3. Ability of the hair to absorb moisture.
4. Boil; acute, localized bacterial infection of the hair follicle that produces constant pain.
5. Also known as hirsuties: condition of abnormal growth of hair.
7. Easily absorbs moisture. Water loving.

- 11.** Naturally resistant to being penetrated by moisture.
- 12.** The tube-like depression or pocket in the skin or scalp that contains the hair root.
- 13.** A ? bond that is a weak, physical, cross-link side bond that is easily broken by water or heat.
- 16.** Hair flowing in the same direction, resulting from follicles sloping in the same direction.
- 17.** Thickness or diameter of the individual hair strand.
- 19.** The hair bulb is the ? part of a hair strand.
- 8.** The portion of hair that projects above the epidermis.
- 14.** The number of individual hair strands on 1 square inch of the scalp.
- 15.** Amino acids are units that are joined together end-to-end like pop beads by strong, chemical ? bonds.
- 18.** The part of the hair located below the surface of the epidermis.