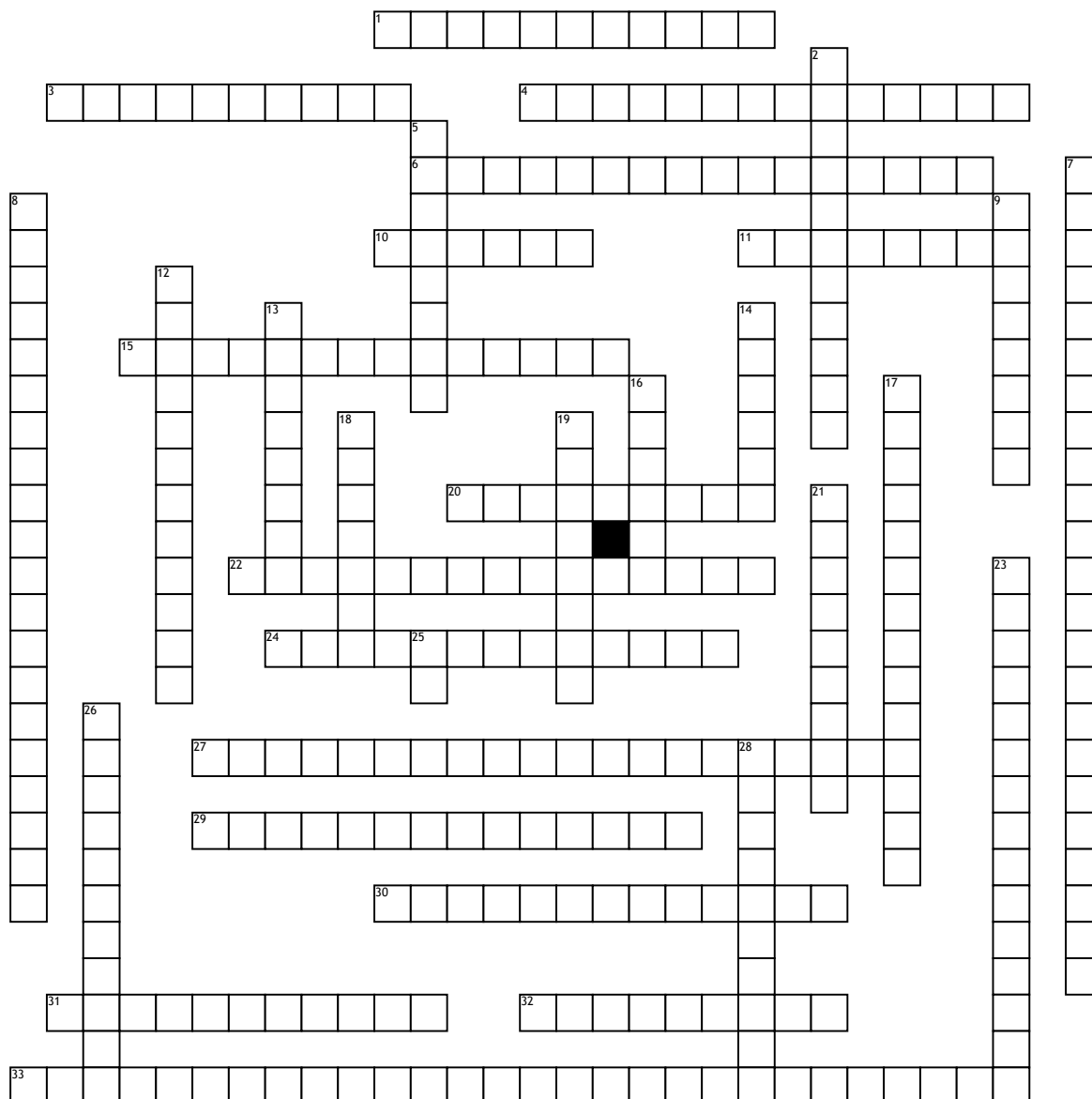


Chapter 20 Chemical Texture



Across

1. panels of hair divided into smaller subsections called _____
3. it is important to know that ammonia-free doesn't mean _____
4. the shape and type of curl are determined by the shape and type of _____
6. common neutralizer
10. layer of the hair located directly beneath the cuticle layer
11. base section off set from each other row by row
15. chemical side bonds are formed when two sulfur-type chains are joined together
20. used in salons and have a pH of 7.8 and 8.2
22. coiled polypeptide chains linked together end to end
24. waves are permanent solutions based on sulfates, considered very weak Low-pH when the hair has too many broken disulfide bonds and will not hold a firm curl

Down

2. waves are perms using an ingredient that does not evaporate as readily as ammonia, so there is very little odor
5. what waving solution use an ingredient other than ATG, such as cysteamine or mercaptamine
7. give the ability to change the hair's natural wave and curl pattern
8. minimizes stress and tension on the hair
9. the symbol pH represents the quantity of _____ ions in a solution
12. modern acid waves are actually _____ waves and have a pH of 7 or neutral
13. chemical textured temporary rises the pH of the hair to a _____ state
14. all perm begin by sectioning into _____
16. caution should be used with _____ placement to avoid stress and tension
17. coarse, resistant hair with a compact cuticle will require a _____ solution
18. measures the acidity and alkalinity of a substance and is measured from 0-14
19. the reduction reaction is due to the addition of _____
21. without a thorough understanding of _____, cosmetologist could damage hair or cause hair loss and harm to their clients and themselves
23. two step process in which the hair first undergo a physical change caused by wrapping the hair on perm rods, then a chemical change caused by waving solution
25. abbreviation used for potential hydrogen
26. uses one end paper folded in half
28. exothermic waves create a chemical reaction that heats up and speeds up the _____