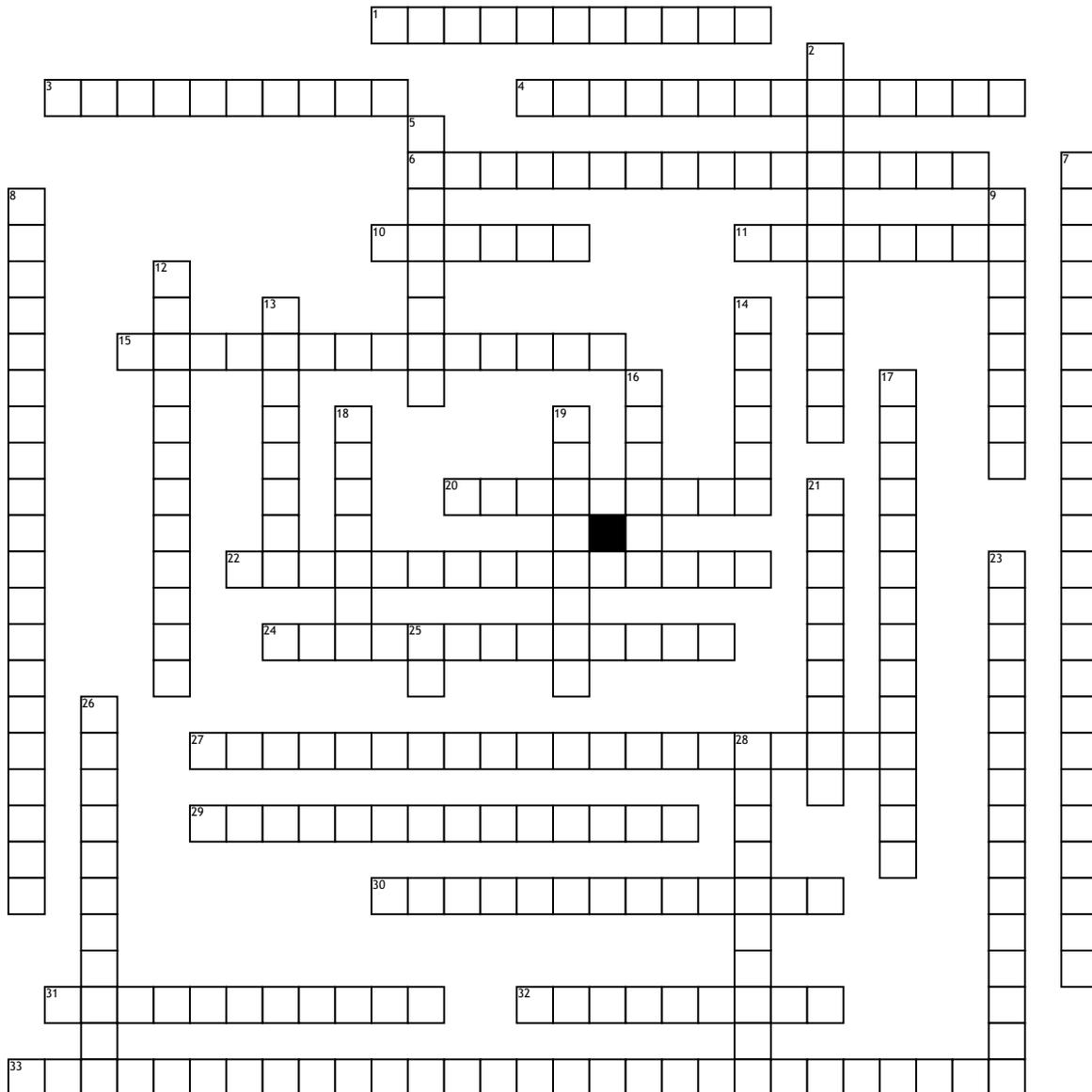


Chapter 20 Chemical Texture



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

27. two methods of wrapping

- 29. soft foam perm rods
- 30. refers to the position of the rod in relation to the base
- 31. ends to scalp
- 32. measurement of thickness or thinness of a liquid
- 33. use of thio relaxer and flat ironing

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 hairs 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 texturized 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 cause 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 speed up the _____