

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 8.222. coiled polypeptide chains linked together end to end

24. waves are permanent solutions based on sulfates, considered very week 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

 ${\bf 30.}$ 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 custeamine 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 <u>waves</u> 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 <u>solution</u>

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 _____