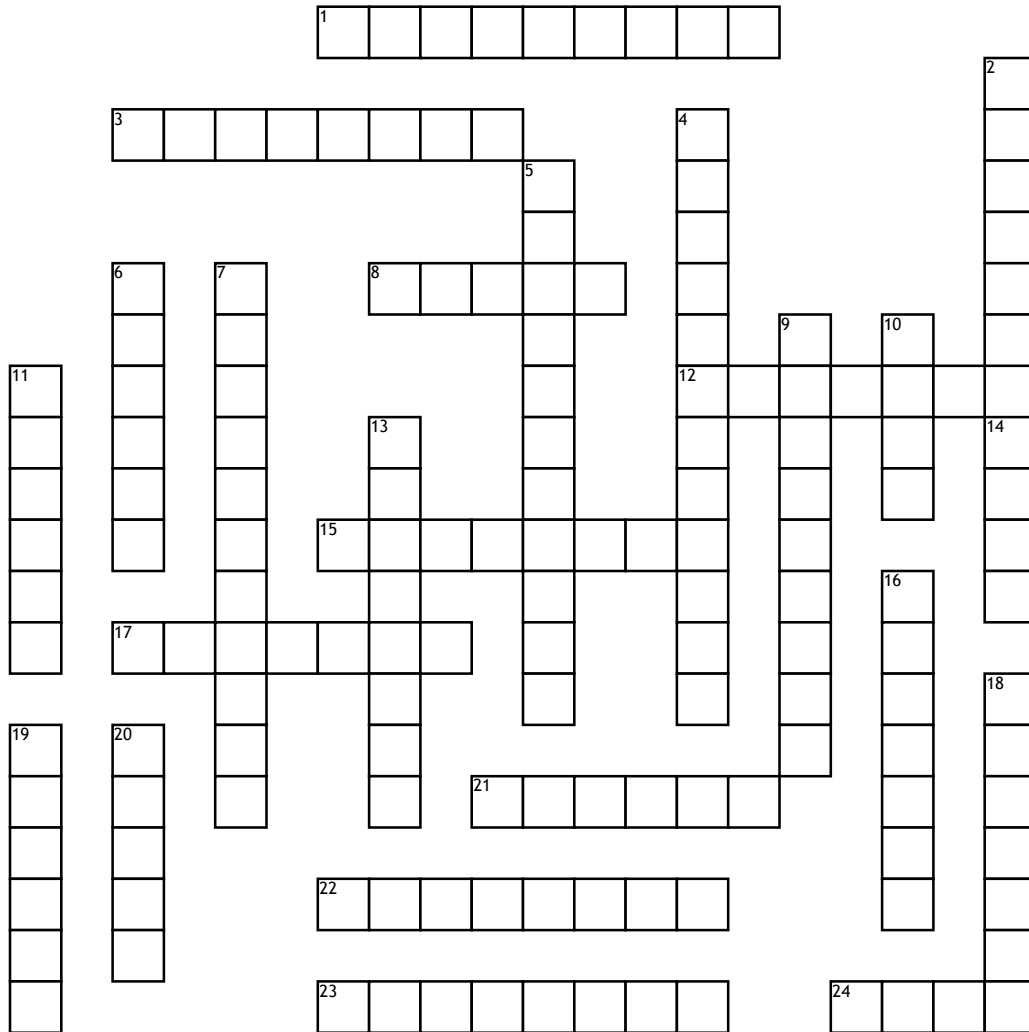


Chemical Texture 1 Perms



Across

- 1. What type of bond forms when the sulfur atom of 2 adjacent protein chains are joined together?
- 3. The main active ingredient in alkaline perms is _____ thioglycolate.
- 8. Keratin proteins are made of long chains of _____ acids linked together like beads.
- 12. An _____ liquid protein conditioner can be applied to the hair under a warm dryer prior to the neutralizer if hair is damaged.
- 15. Thio neutralization rebuilds disulfide bonds by removing the _____ that was added by the waving solution.
- 17. If the hair is under processed, further processing will make it _____.
- 21. _____ hair with a damaged cuticle could be further damaged by a highly alkaline solution.
- 22. The amount of processing should be determined by the _____ of the solution.

- 23. The alkalinity of the perm solution should correspond to the strength and _____ of the cuticle layer.
 - 24. When doing a preliminary test curl, wrap one rod at the top, the side and the _____.
- Down**
- 2. Metallic salts leave a coating on the hair that may cause _____ curls, discoloration or breakage.
 - 4. Waves that process more quickly and produce firmer curls than true acid waves are _____.
 - 5. Some manufacturers recommend the application of a pre-neutralizing _____ after blotting and before the neutralizer.
 - 6. What test do we perform to determine processing time and expected results?
 - 7. What type of perm is activated by an outside heat source?
 - 9. If too many _____ bonds are broken, the hair will be too weak to hold a curl.

- 10. Most of the processing happens in the first _____ to 10 minutes.
- 11. The action of an alkaline permanent waving lotion is to soften and _____ the hair.
- 13. The main active ingredient in true acid and acid balanced perms is _____ monothioglycolate.
- 14. What type of hair is more fragile and easier to process?
- 16. Perming only a section of the head is called _____ perming.
- 18. Chemical bonds that join amino acids together to form polypeptide chains are _____ bonds.
- 19. _____ hair with a strong cuticle will require a more highly alkaline waving solution.
- 20. A properly processed perm breaks and rebuilds about _____ % of the hairs disulfide bonds.

Word Bank

- | | | | | | |
|-----------|-------------|----------|----------|---------------|-----------|
| Fine | Endothermic | Glycerol | Amino | Coarse | Curlier |
| Disulfide | uneven | Expand | Fifty | Acid-Balanced | Disulfide |
| Peptide | Porosity | Acidic | Hydrogen | Conditioner | Partial |
| Strand | Porous | Ammonium | Strength | Five | Nape |