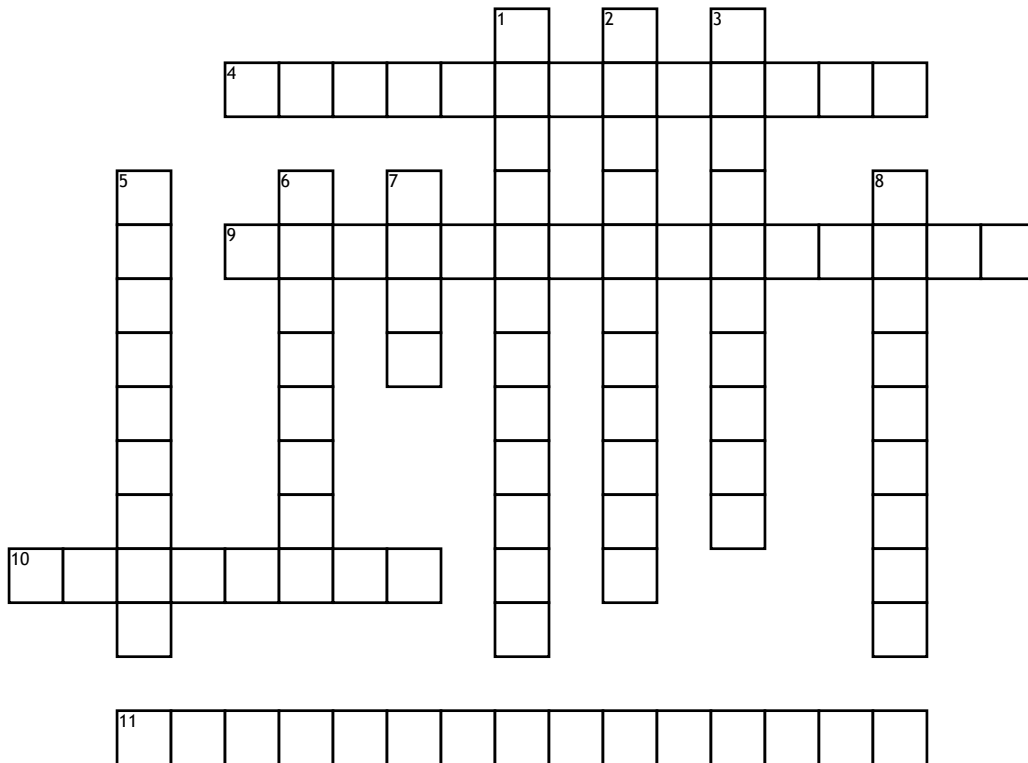


Name: _____

Date: _____

Perm



Across

- 4. Hair service to loosen overly curly hair
- 9. Long, coiled polypeptide chains
- 10. Bonds that are a result of an attraction between opposite electrical charges
- 11. Hair service to add wave or curl to the hair

Down

- 1. Chemical bonds that join amino acids together, end-to-end in long chains, to form a polypeptide chain
- 2. Long chains of amino acids joined together by peptide bonds

- 3. Compounds made up of carbon, oxygen, hydrogen, nitrogen, and sulfur
- 5. Disulfide, salt, and hydrogen bonds that cross-link polypeptide chains together
- 6. Hair service to remove curl or waves; leaving the hair smooth and straight
- 7. Bond that accounts for about one-third of the hair's total strength
- 8. Strong chemical side bonds formed when the sulfur atoms in two adjacent protein chains are joined together

Word Bank

- | | | | |
|------------------|------------------|-------------|------------|
| hydrogen | peptide bonds | polypeptide | relaxing |
| salt | curl reforming | amino acids | side bonds |
| keratin proteins | permanent waving | disulfide | |