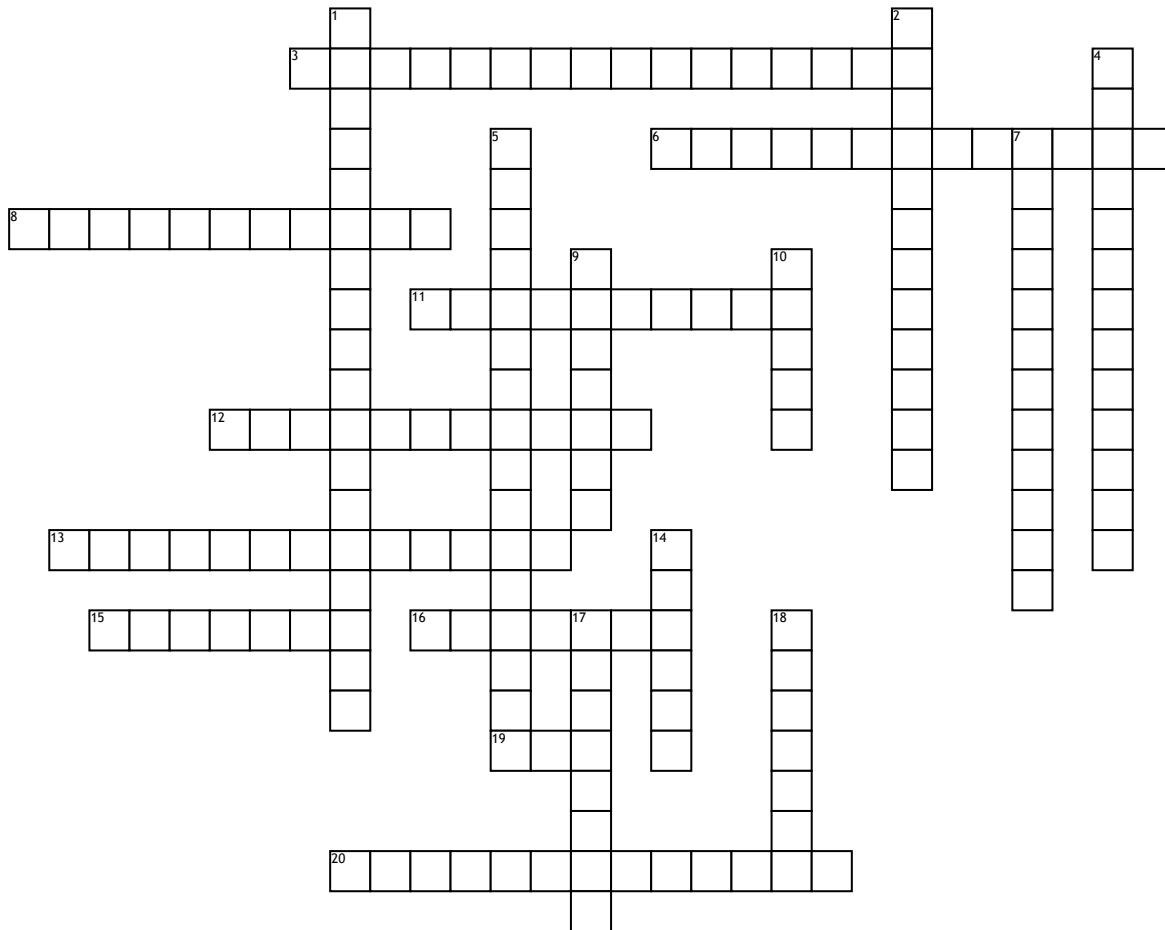


Name: _____

Date: _____

Hair and Fibers



Across

3. the case involving the murder of Caylee Anthony and included hair evidence in her mother's car trunk
6. a molecule with a high molecular mass
8. the initial growth phase during which the hair follicle actively produces hair
11. DNA that is present in the nucleus of a cell and that is inherited from both parents
12. you can collect hair by placing it in this
13. the term for fake hair
15. the scale structure covering the exterior of the hair

16. a substance composed of a large number of atoms that are usually arranged in repeating units

19. you can not determine this by hair unless they're an infant
20. fibers derived entirely from animal or plant sources

Down

1. fibers derived from either natural or synthetic polymers
2. the final growth phase in which hair naturally falls out of the skin
4. a translucent piece of tissue surrounding the hair's shaft near the root that contains DNA
5. DNA present in small structures outside the nucleus of a cell

7. a transition stage between the anagen and telogen phases of hair growth

9. a cellular column running through the center of the hair

10. the first manufactured fiber produced in 1911

14. the main body of the hair shaft

17. two or more atoms held together by chemical bonds

18. the basic unit of structure from which a polymer is constructed