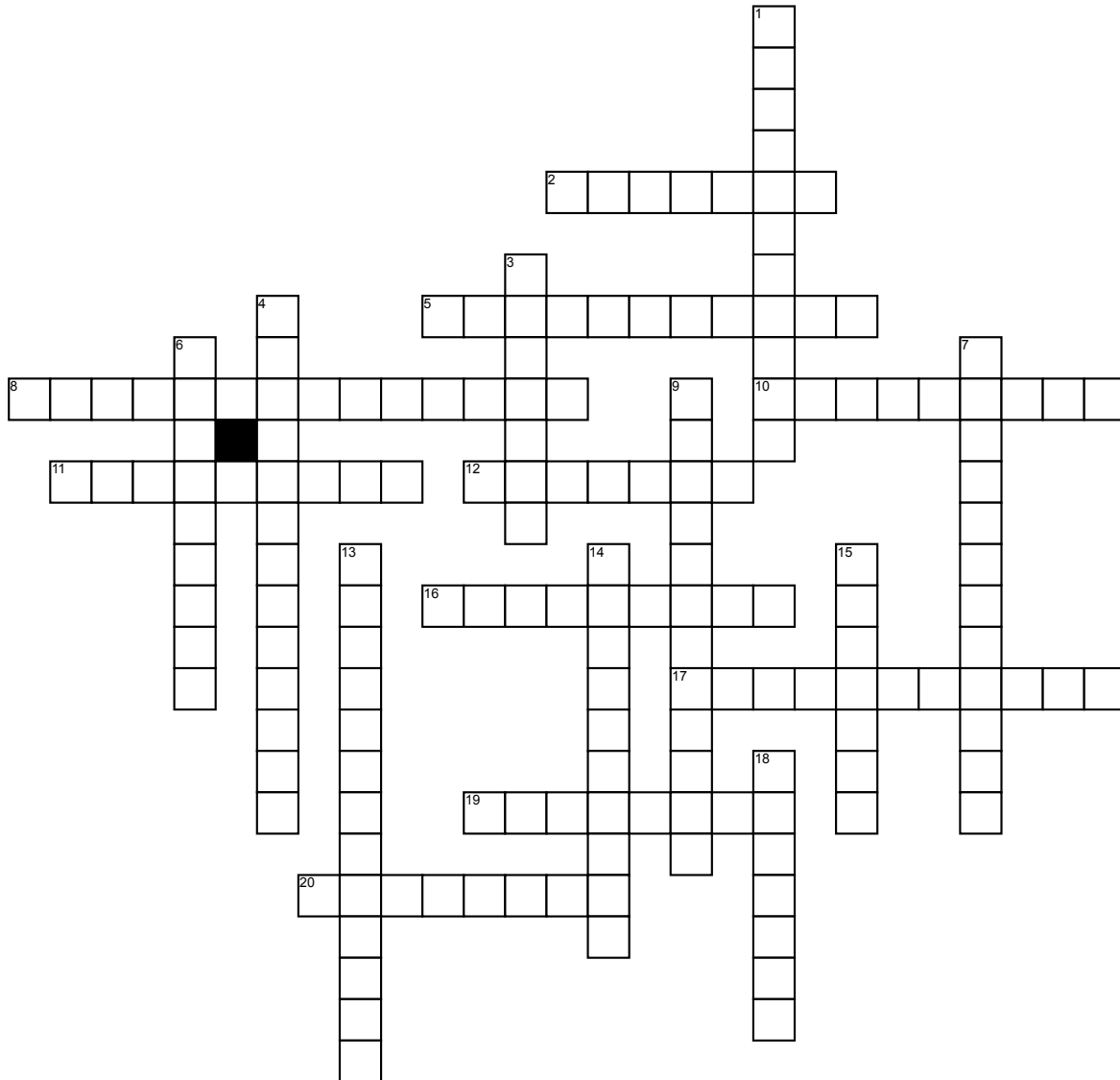


Name: _____

Date: _____

Plastics and Polymers



Across

2. Component of Safety Celluloid

5. The process of growing a polymer chain

8. The process of forming a large molecule by linking together smaller subunits

10. A polymer that springs back after being twisted or pulled

11. Type of polymer that cannot be reformed or remolded after initial heat-forming

12. A six carbon aromatic compound with alternating C=C double bonds

16. Natural component of first synthesized plastics

17. Type of polymer formed from two or more repeating monomers

19. The combination of molecules by sharing electrons with an adjacent molecule

20. First plastic made from fully synthetic materials

Down

1. Additive that gives plastics flexibility and durability

3. One of the small repeating units of a polymer

4. Type of natural thermoplastic

6. Without a clearly defined form or shape

7. The combination of two molecules through the loss of a smaller molecule such as H₂O

9. Polystyrene produced when the phenol groups alternate on its backbone chain

13. Type of polymer that is remoldable when heated

14. Type of rubber formed by heating with sulfur

15. Component of first the synthesized plastic

18. The disorder of molecules