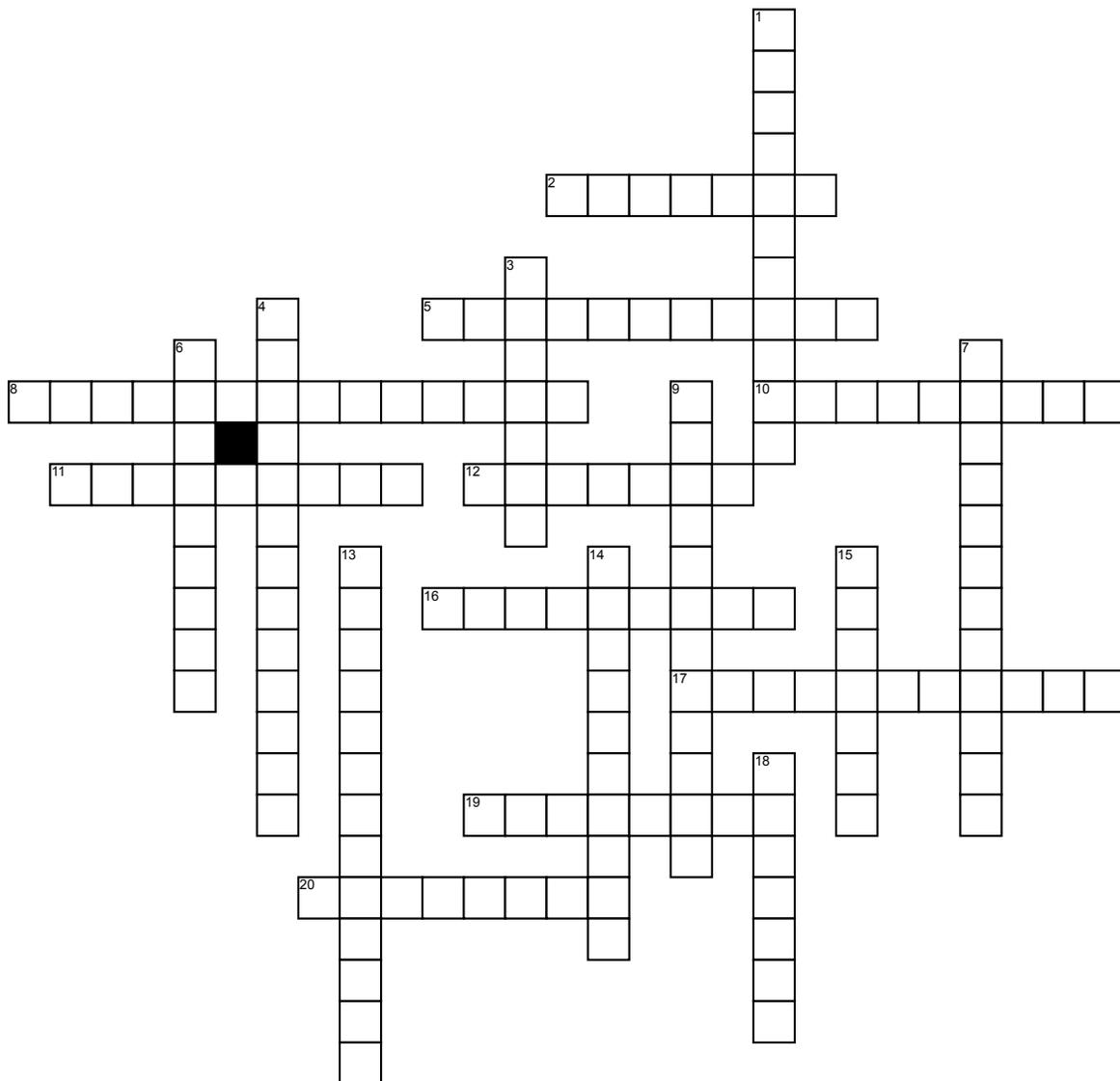


Plastics and Polymers



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