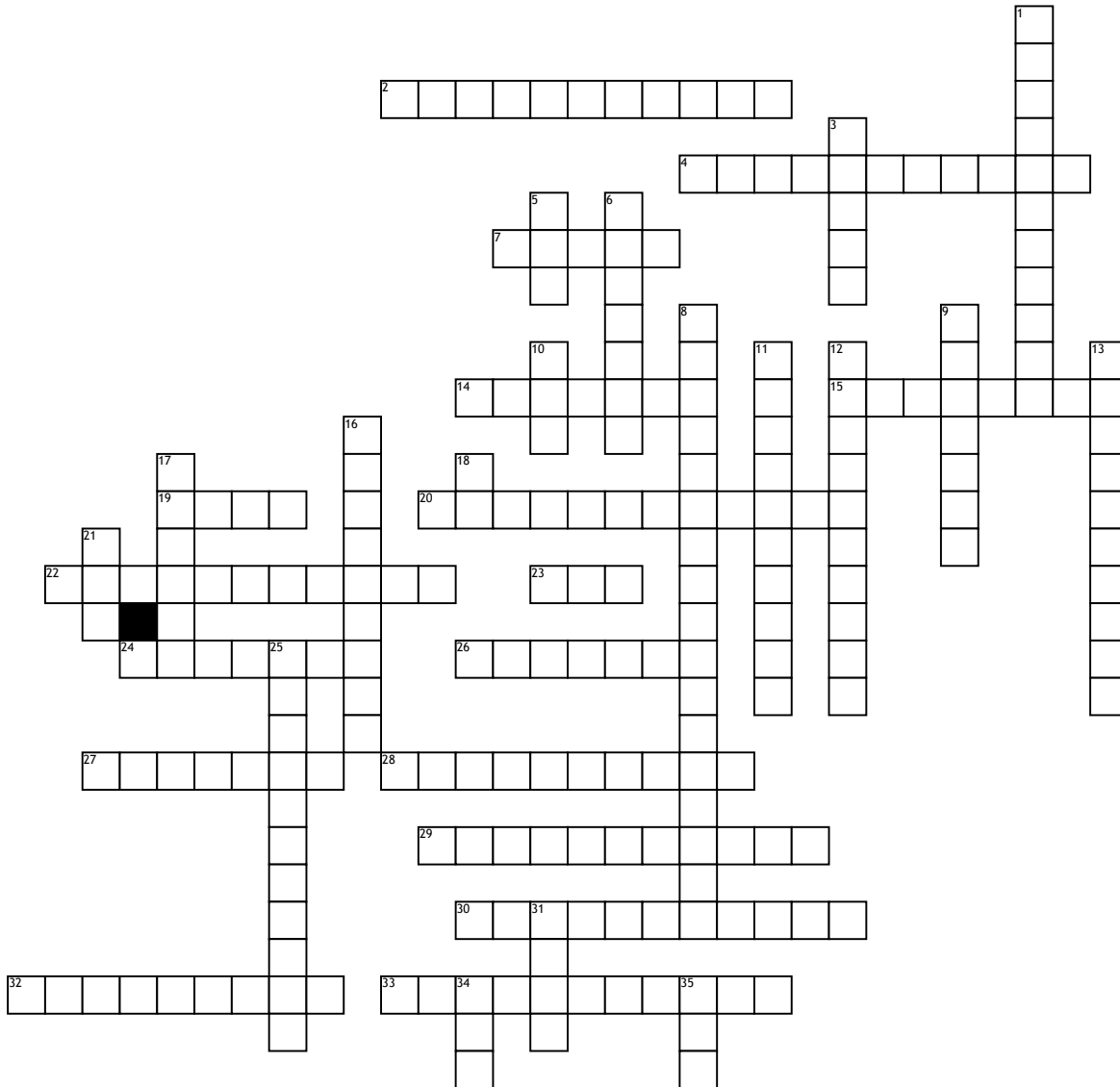


Plant Physiology



Across

2. Photoreceptor responsible for stomata opening
 4. Photoreceptor essential for de-etiolation (photomorphogenesis)
 7. Plant hormone that promotes root growth & Apical dominance
 14. The top side of a leaf
 15. Plant hormone responsible for senescence
 19. Transcription factor that promotes the expression of the Xs genes
 20. Photoreceptor in plants & animals used for circadian rhythms
 22. Plant pathogen that kills, then eats
 23. What is the name of the growing shoot at the tip of a plant
 24. Genes that regulate SAM size, making sure it is small
 26. Location of Sucrose synthesis
 27. Location of Fructan Synthesis

28. The type of transport within the cytoplasm of multiple cells
 29. Chemical signal for defending against biotrophs

30. Plant hormone that promotes seed germination
 32. Plant hormone which promotes shoot growth

33. Location of Triose Phosphate synthesis

Down

1. The part of a photoreceptor that absorbs photons
 3. Location of Hemicellulose synthesis
 5. Genes that regulate SAM size, making sure it is big
 6. Motor protein used in plant prometaphase to "walk" chromosome
 8. What enzyme do Arctic apples lack?
 9. Polymer of starch with unbranched structure

10. What type of plant opens stomata at night?

11. Starch is synthesized in what plastid
 12. Plant toxin synthesized from IPP
 13. Enzyme that can remove two hydrogen atoms from a fatty acid
 16. What is the name of the Vacuole's membrane
 17. This type of phyllotaxy results in primordia growing at 137.5 degrees apart
 18. Location of Oil synthesis in plants
 21. Light color which changes GA and ABA ratio
 25. Highly branched polymer made of alpha-1,4- glucose units
 31. How does pin1 mutant look like?
 34. Type of protein in late plant embryo that helps with desiccation tolerance
 35. Plant hormone that inhibits seed germination