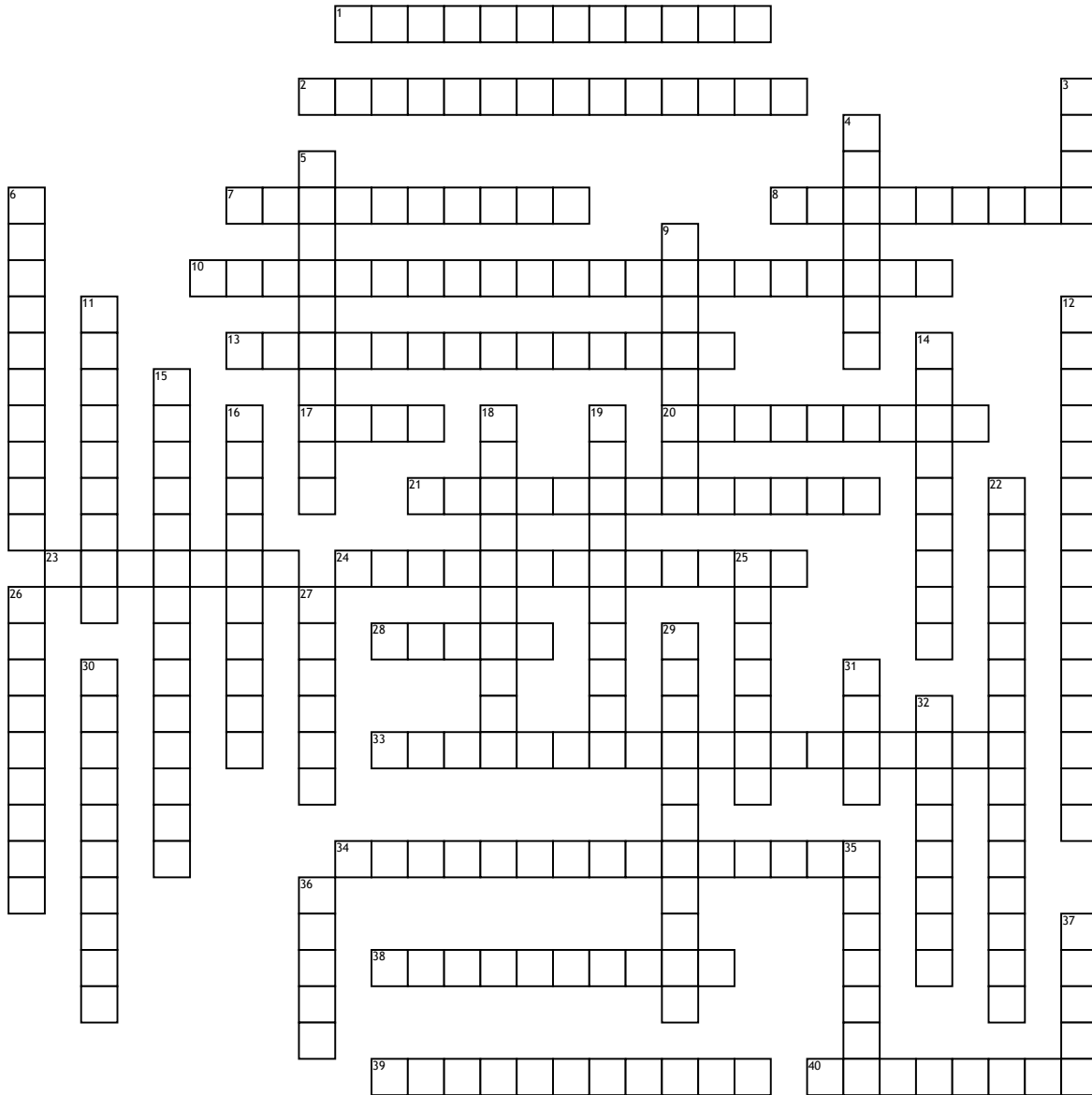


Phylum Platyhelminthes



Across

1. tailless cercaria
2. used for sperm storage in planarians
7. collect excess water or fluid wastes
8. outer covering of free-living flatworms
10. Development is direct, without a larval stage.
13. pathway of sperm
17. vitelline glands
20. sensory, and chemoreceptors
21. A common chamber receiving openings of male, female, and accessory organs
23. outer covering of flukes, and tapeworms
24. extends dorsally from the seminal receptacle
28. used in locomotion of planaria
33. Such exchange of sex products between separate individuals

34. minimum pressure which needs to be applied to a solution to prevent the inward flow of water across a semipermeable membrane
38. a fluke's sucker which serves for attachment in the host
39. free-living flatworms
40. segmented part of the body of a tapeworm

Down

3. lacking part that makes the flatworms' digestive system incomplete
4. usual locomotion of planarians
5. cellular tissue lying between the body wall and the organs of invertebrate animals lacking a coelom
6. Mehlis gland
9. common type of free-living flatworm
11. hooks on the elevated tips on a tapeworm
12. flatworms
14. have y-shaped digestive tracts

15. type of sucker in flukes surrounding its mouth
16. segments of a tapeworm formed by a process of strobilation in the neck region of the worm
18. sexual orientation of flatworms.
19. type of fission in planarians
22. supply yolk cells when eggs are produced
25. chemoreceptors of "taste" and "smell"
26. most flatworms inhabit
27. Minute knoblike head of a pork tapeworm.
29. bladder worm
30. larva of a liver fluke
31. anterior end of a planaria
32. disease caused by sheep liver fluke
35. a light-sensitive pigmented spot on the bodies of invertebrate animals
36. free-living flatworms avoid
37. a larva produced within the sporocyst