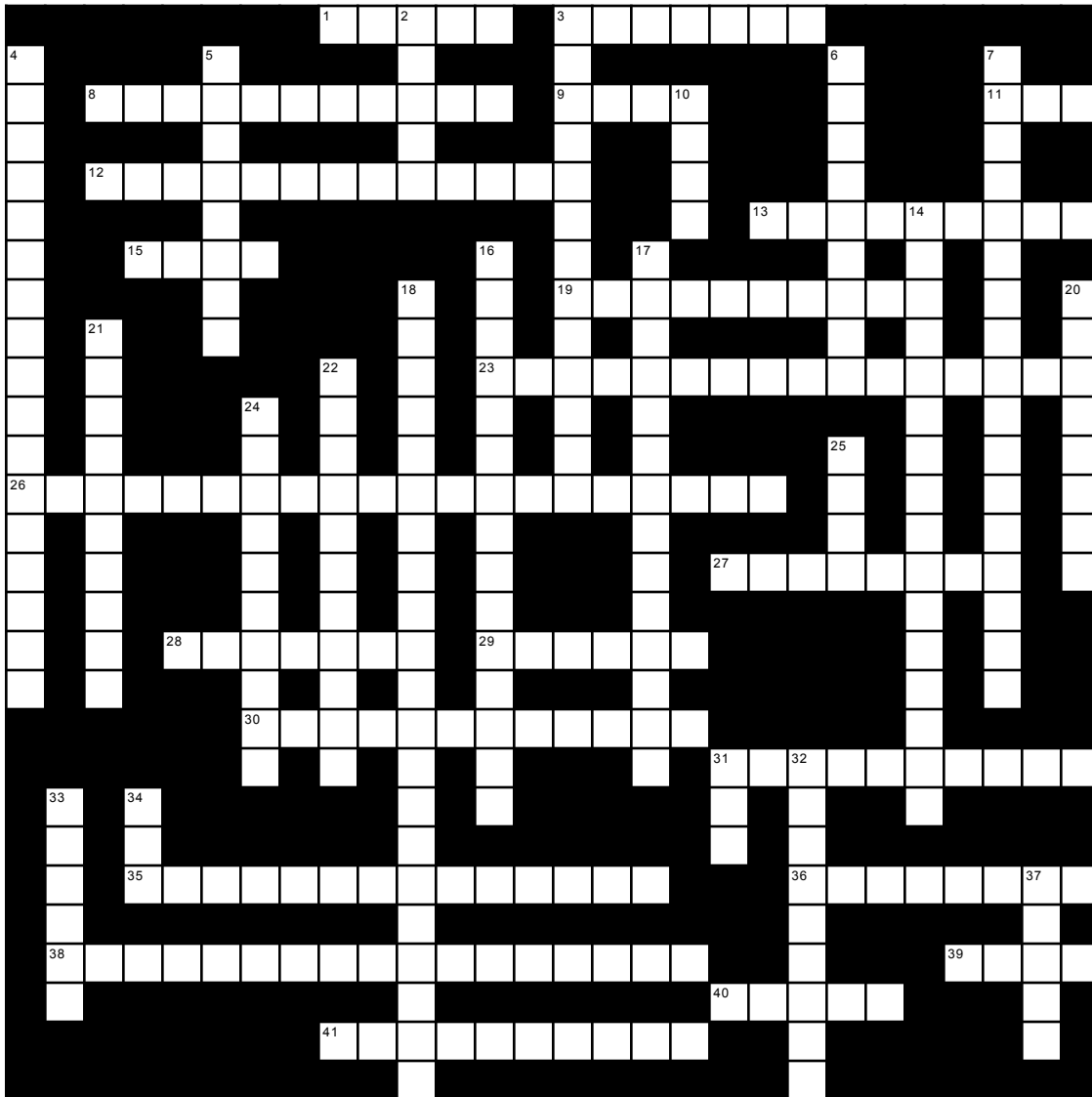


Physiology Phun! by Ashley Fike and Christie Martin



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**ACROSS**

1. Visual sensory focal point
3. It maintains hyperosmotic environment
8. It lacks turbulence
9. It carries graded potentials towards initial segment
11. It is released by posterior pituitary: Abbr.
12. It maintains arterial diastolic pressure
13. It is up-regulated in the medullary collecting duct
15. Action potential propagator
19. These are important for differentiation of endometrium
23. State of homeostasis
26. Diastolic pressure plus one-third pulse pressure
27. Sensory relay to integrating center
28. Transmission gap, of a sort
29. \_\_\_ Equation (accounts for chemical and electrical driving forces)
30. They are influenced by FSH

31. Somatosensory cortex cartoon
35. They rapidly transmit ventricular depolarizations
36. Sarcolemma extensions
38. Cardiac myocyte connectors
39. Site of initial ventricular depolarization
40. Enzyme released in response to low GFR, e.g.
41. It contains abundant sodium channels

**DOWN**

2. This opens and closes with pressure changes
3. It triggers feedforward
4. It triggers action potentials through time
5. Period of relaxation
6. Osmosis, e.g.
7. Edgewise hindrance
10. pH factor
14. Mechanism triggered during uterine contractions, e.g.
16. It induces a response in the initial segment

17. It contains only freely filtered ions
18. Carbon dioxide detector in cerebral spinal fluid
20. It induces milk letdown, e.g.
21. Tension reducer
22. It carries glucose across the luminal membrane
24. Receptor competitor that does not trigger a cell response
25. It has the shortest cardiac refractory period
31. It maintains corpus luteum: Abbr.
32. Sarcomere free smooth muscle type
33. Polysaccharide that is a measure of clearance
34. Energy currency for primary transport: Abbr.
37. Result of low blood albumin, e.g.