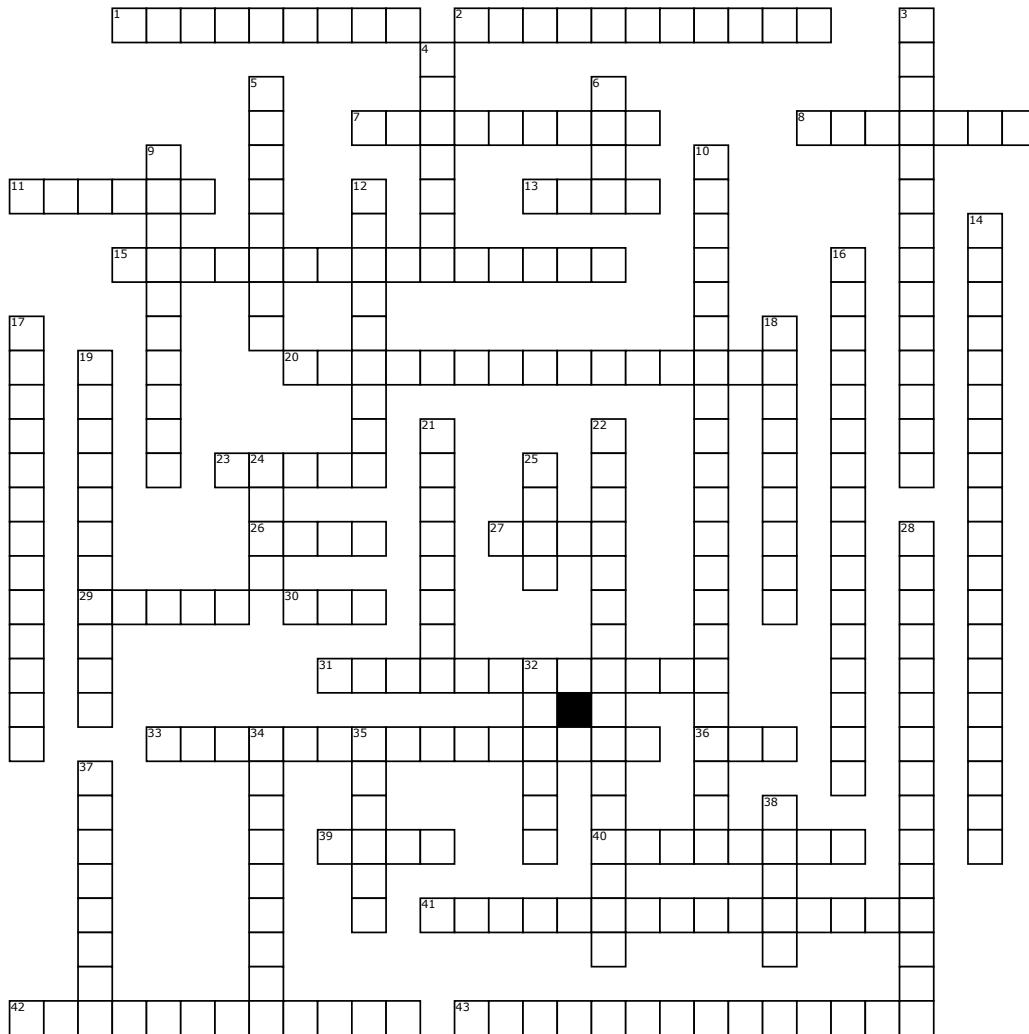


Sensation and Perception



Across

1. Taking information and making it neural
2. mishape of the cornea
7. receive information from neurons
8. Postsynaptic cells _____ information
11. bends light to receptors; focuses 80% of the light into the eye
13. pushes membrane away from threshold (abbr.)
15. neurons firing
20. Vision has two systems mediated by the rods and cones
23. How many characteristics/principles of perception are there?
26. Presynaptic cells _____ information
27. responsible for black and white
29. How many stages of perception are there?
30. molecules that carry a charge
31. marks the cell's boundaries; fluid environment
33. using larger interpretation to understand the small parts
36. How many stages of action potential?

39. muscle that surrounds the pupil; helps modify the amount of light that gets to the retina
40. Absolute and difference are the two types of...
41. energy used to open ion channels
42. the pathway from the sensory system to the brain
43. the action of explaining the meaning of something to someone

Down

3. movement of charge
4. point of communication between two cells
5. where the decision whether or not to fire a cell occurs
6. last thing that light hits before the retina
9. Interpretation of neural energy
10. like charges repel, opposite charges attracts
12. rods contain...
14. Help channel the energy to receptors
16. analyzing small features to interpret the whole
17. # of pulses per second
18. technical term for farsightedness

19. the actual conversion of physical energy to neural energy
21. Stage one in the eye is...
22. specialized neurons that respond to sensory information
24. moves membrane away from threshold (abbr.)
25. sends information
28. Given constant levels of stimulation, sensitivity decreases
32. technical term for nearsightedness
34. tendency of ions to move from areas of high concentration to low
35. Stage two in the eyes is...
37. cones contain...
38. responsible for color

Word Bank

Seven	synapse	Sensory Adaption	myopia	ion	transduction
Perception	rhodopsin	iodopsin	electrostatic pressure	hyperopia	dendrites
cones	axon	Neural	accessory structures	cornea	interpretation
Sensory Receptors	EPSP	Sensation	cell body	bottom up approach	Threshold
Six	rods	iris	send	Duplicity Theory	cell membrane
electrical event	astigmatism	top down approach	receive	lens	potential event
frequency code	Three	physical	diffusion	sensory nerve	IPSP
action potential					