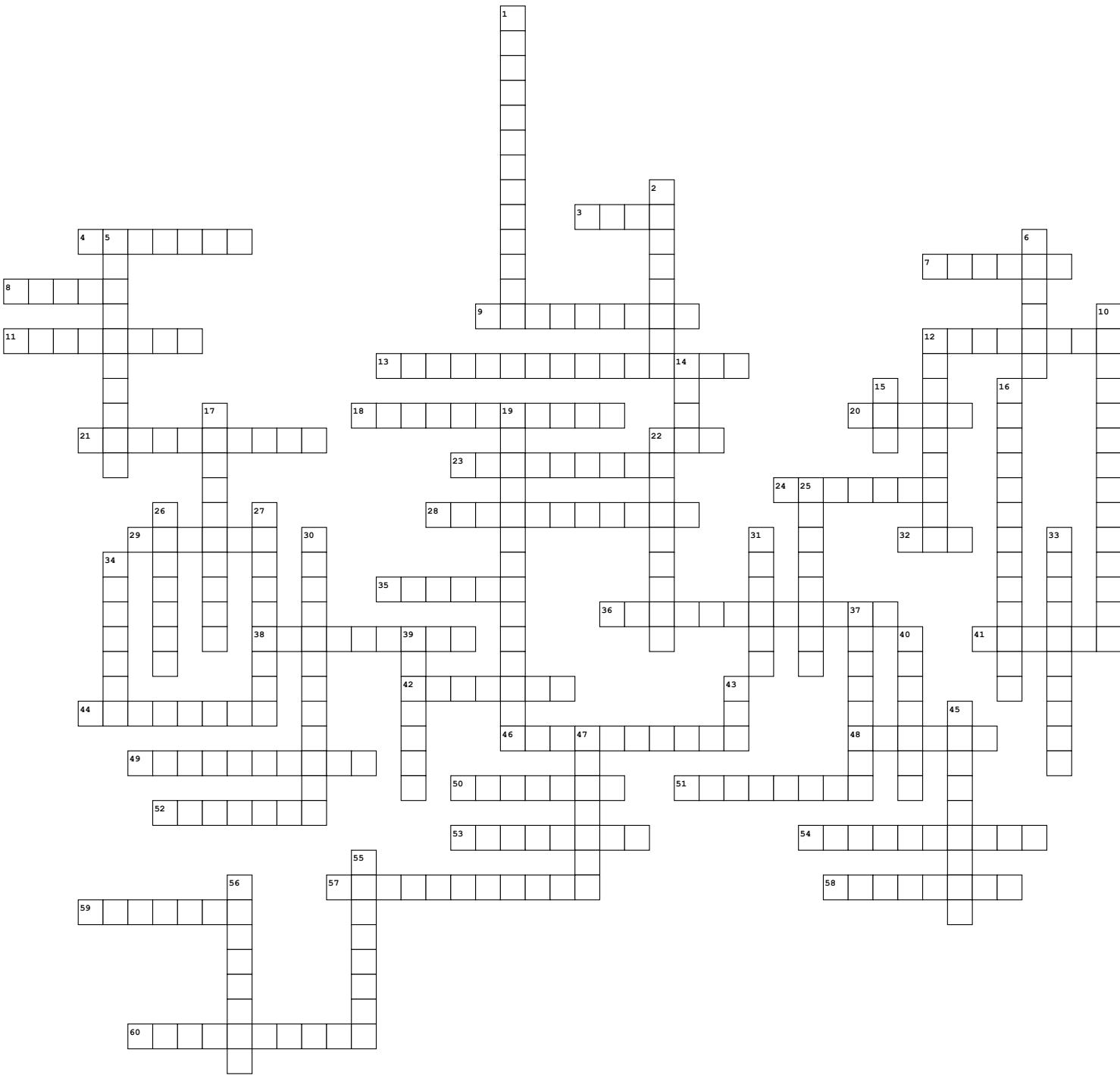


# Biology 1



## Across

3. Major inhibitory neurotransmitter that reduces neuronal excitability. GABA
4. \_\_\_\_\_ selection Process where traits that enhance survival are passed on. Natural
7. \_\_\_\_\_ arc Pathway for reflex actions. Reflex

## Down

1. Neurotransmitter involved in muscle action, learning, and memory. Acetylcholine
2. \_\_\_\_\_ Stimulant that increases alertness. Caffeine
5. Hormone that prepares the body for fight-or-flight response. Adrenaline
6. \_\_\_\_\_ Opioid that is highly addictive. Heroin

8. \_\_\_\_\_ neurons Transmit commands from the CNS to muscles. Motor

9. Neurotransmitter affecting mood, sleep, and appetite. Serotonin

11. Controversial practice of improving genetic quality by selective breeding. Eugenics

12. \_\_\_\_\_ sclerosis Disease where the immune system attacks the myelin sheath of neurons. Multiple

13. \_\_\_\_\_ nervous system Promotes rest and digestion. Parasympathetic

18. Drugs that block or reduce neurotransmitter effects. Antagonists

20. \_\_\_\_\_ cells Support and protect neurons. Glial

21. \_\_\_\_\_ neurotransmitters Chemicals that prevent neurons from firing. Inhibitory

22. Controls involuntary bodily functions AKA The Autonomic nervous system. ANS

23. Minimum stimulus needed to trigger an action potential. Threshold

24. Hormone that stimulates appetite. Ghrelin

28. \_\_\_\_\_ nervous system Activates fight-or-flight response. Sympathetic

29. \_\_\_\_\_ transmission Process of sending signals between neurons. Neural

32. Brain and spinal cord. AKA The Central nervous system CNS

35. Genetic and biological factors influencing development. Nature

36. \_\_\_\_\_ perspective How natural selection influences behavior and mental processes. Evolutionary

38. \_\_\_\_\_ Drug that can act as a depressant, stimulant, or hallucinogen. Marijuana

41. Hormone that regulates hunger and energy balance. Leptin

42. \_\_\_\_\_ Stimulant that increases dopamine levels. Cocaine

44. Reabsorption of neurotransmitters by the sending neuron. Reuptake

46. Neurotransmitters that act as natural painkillers and mood enhancers. Endorphins

48. \_\_\_\_\_ potential Electrical impulse traveling down a neuron. Action

49. \_\_\_\_\_ period Time after an action potential when a neuron can't fire again. Refractory

50. \_\_\_\_\_ predisposition Increased likelihood of developing a condition based on genetics. Genetic

51. Neurotransmitter involved in reward, motivation, and motor control. Dopamine

10. Reduction in membrane potential making a neuron more likely to fire. Depolarization

12. Hormone that regulates sleep-wake cycles. Melatonin

14. \_\_\_\_\_ studies Research comparing similarities between identical and fraternal twins. Twin

15. \_\_\_\_\_ or-nothing principle Neuron either fires completely or not at all. All

16. \_\_\_\_\_ Drugs that cause perceptual distortions. Hallucinogens

17. \_\_\_\_\_ Symptoms experienced when stopping or reducing drug use. Withdrawal

19. Neurotransmitter involved in arousal and alertness. Norepinephrine

22. \_\_\_\_\_ Compulsive drug use despite harmful consequences. Addiction

25. Chemical messengers released by glands to regulate bodily functions. Hormones

26. \_\_\_\_\_ neurons Transmit sensory information to the CNS. Sensory

27. Major excitatory neurotransmitter involved in learning and memory. Glutamate

30. Connect neurons within the CNS. Interneurons

31. \_\_\_\_\_ studies Research examining traits among family members. Family

33. \_\_\_\_\_ gravis Autoimmune disorder causing muscle weakness. Myasthenia

34. Environmental factors influencing development. Nurture

37. \_\_\_\_\_ inhibitors Drugs that block the reabsorption of neurotransmitters. Reuptake

39. \_\_\_\_\_ Depressant that affects motor skills and judgment. Alcohol

40. \_\_\_\_\_ nervous system Controls voluntary movements. Somatic

43. Nerves outside the CNS. AKA The Peripheral nervous system PNS

45. \_\_\_\_\_ Reduced response to a drug after repeated use. Tolerance

47. \_\_\_\_\_ Drugs that relieve pain and produce euphoria. Opioids

55. Transmission of traits from parents to offspring. Heredity

56. Drugs that mimic or enhance neurotransmitter effects. Agonists

52. \_\_\_\_\_ Nerve cells transmitting information.

Neurons

53. \_\_\_\_\_ studies Research comparing adopted children to their biological and adoptive parents.

Adoption

54. \_\_\_\_\_ Drugs that increase neural activity and energy. Stimulants

57. \_\_\_\_\_ Drugs that decrease neural activity and slow body functions. Depressants

58. Hormone involved in social bonding and childbirth. Oxytocin

59. \_\_\_\_\_ potential Electrical charge across the neuron membrane when not firing. Resting

60. \_\_\_\_\_ neurotransmitters Chemicals that stimulate neurons to fire. Excitatory