

Herpetology Division C - Answer Key

Tie breaker instructions: Total correct taxonomy breaks the tie

Station 1

1. Alligatoridae
2. They dig burrows
3. Females
4. Nictitating membrane

Station 2

5. Lampropeltis
6. Snake eating
7. Twice
8. Batesian Mimicry

Station 3

9. Malaclemys
10. Human consumption, food
11. 4-22
12. Lachrymal salt glands

Station 4

13. Bufo
14. Alkaloid poison
15. Parotoid glands
16. Sequential hermaphroditism - protandrous

Station 5

17. Scincidae
18. Oviparity
19. The tail drops as a defense mechanism
20. Brumation

Station 6

21. Desmognathus
22. Seeps and streams
23. Genetic data and range
24. Batesian Mimicry

Station 7

25. Salamandridae
26. Intercostal or costal grooves
27. Eft
28. Chemical defense (poison or toxin)

Station 8

29. Plethodontidae
30. Lungs
31. Nasolabial grooves
32. Chemosensory

Station 9

33. Ambystomatidae
34. Photosynthesize
35. Polyploidy (triploid-petaploid)
36. Regeneration

Station 10

37. Pituophis
38. A modified epiglottis
39. A loud rattling hiss used for predator intimidation
40. Habitat loss/fragmentation

Station 11

- 41. Ophisaurus
- 42. When dropped, their tail can break into several pieces
- 43. Lizards, they have movable eyelids and present ears
- 44. Fossorial

Station 12

- 45. Chelydridae
- 46. K-selected
- 47. Gas exchange in membranes of mouth and throat
- 48. Extrapulmonary respiration

Station 13

- 49. Ranidae
- 50. 6
- 51. They can absorb chemicals through their skin, which results in disease or death
- 52. Tadpoles

Station 14

- 53. Opheodrys
- 54. Camouflage
- 55. Arboreal
- 56. They turn blue

Station 15

- 57. Hemidactylum
- 58. Monotypic or only one species
- 59. Bogs/boggy streams or wetlands with peat
- 60. Autotomy or drops tail

Station 16

- 61. Trionychidae
- 62. Scutes
- 63. To breathe while resting at the bottom of a water body
- 64. Anapsid

Station 17

- 65. Phrynosomatidae
- 66. To prevent water loss
- 67. Squirting an aimed stream of blood out of their eyes
- 68. Ants

Station 18

- 69. Agkistrodon
- 70. Hemotoxic
- 71. Thrombosis (clotting of vessels)
- 72. Ovoviviparous

Station 19

- 73. Squamata
- 74. Hemipenes
- 75. Parthenogenesis
- 76. At the discretion of the grader

Station 20

- 77. Kinosternidae
- 78. Late spring/early summer
- 79. Parental care
- 80. Musk