Herpetology Division B - Answer Key

Tie breaker instructions: Total correct taxonomy breaks the tie

Station 1

1. Alligatoridae
2. They dig burrows
3. Females
4. Nicitating membrane or third eyelid

Station 2

5. Lampropeltis
6. A   B   C   D
7. A   B   C
8. True   False

Station 3

9. Malaclemys
10. A   B   C   D
11. A   B   C   D
12. A   B   C   D

Station 4

13. Bufonidae
14. True   False
15. A   B   C   D
16. True   False

Station 5

17. *Scincidae*
18. Yes
19. Tail drops as a defense mechanism
20. A   B   C   D

Station 6

21. Desmognathus
22. Seeps and streams
23. Genetic data or range
24. A   B

Station 7

25. *Salamandridae*
26. A   B   C   D
27. Eft
28. Chemical defense, poison or toxin

Station 8

29. Plethodontidae
30. Lungs
31. A   B   C   D
32. A   B   C   D

Station 9

33. *Ambystomatidae*
34. Photosynthesis
35. Polyploidy or Triploid-petaploid
36. Regeneration

Station 10

37. Pituophis
38. A modified epiglottis
39. Loud rattling hiss- predator intimidation
40. Habitat loss/fragmentation

Station 11

41. *Ophisaurus*_____

42. When dropped, their tail can break into several pieces_____

43. Lizards_____

44. Fossorial_____

Station 12

45. *Chelydridae*_____

46. K-selected_____

47. True   False

48. 2_____

Station 13

49. *Ranidae*_____

50. 6_____

51. Absorb chemicals through their skin

52. Tadpoles_____

Station 14

53. *Opheodrys*_____

54. Camouflage_____

55. Arboreal_____

56. Turn blue_____

Station 15

57. *Hemidactylum*_____

58. True   False

59. Bogs/boggy streams or wetlands with peat_____

60. Autotomy or drops tail_____

Station 16

61. Trionychidae_____

62. Scutes_____

63. To breathe while resting on the bottom of a water body_____

64. A   B   C   D

Station 17

65. Phrynosomatidae___

66. A   B   C   D

67. Squirting blood out of their eyes

68. Ants_____

Station 18

69. Agkistrodon_____

70. Hemotoxic_____

71. Destroys red blood cells, prevents clotting, tissue damage, or organ failure_____

72. Ovoviviparous_____

Station 19

73. Squamata_____

74. Hemipenes_____

75. Parthenogenesis____

76. Grader's discretion- Tie Breaker

Station 20

77. *Kinosternidae*_____

78. Late spring/early summer

79. Parental Care_____

80. Musk_____