

Westinghouse Herpetology Answer Key

Station 1

1. Trachemys
2. Emydidae
3. Sold as a pet – most common turtle sold as a pet
4. B

Station 2

5. Leptotyphlopidae
6. Tropical
7. They are vestigial and covered in scales.
8. They eat parasitic arthropods that kill the owls' young.

Station 3

9. Anolis
10. Chromatophores – xanthophores, cyanophores, or melanophores also acceptable answers
11. True – because the higher temperatures cause an increase in the size of male and female reproductive structures.

Station 4

12. Salamandridae
13. North America, Europe, Asia
14. Toxic skin secretions
15. The skin is rough textured and not slimy

Station 5

16. Nerodia
17. Old World – lay eggs, New World – give birth to live young
18. Fish and amphibians
19. False

Station 6

20. Deirochelys
21. False – It's found in the southeastern part of the United States
22. They vibrate their foreclaws against the female's face.
23. Fall and winter

Station 7

- 24. Alligatoridae
- 25. Crocodylia
- 26. Snout shape – The alligator has a wider, u-shaped snouts while crocodiles front ends are more points and v-shaped
Toothy Grin – When their snouts are shut, crocodiles look like they're flashing a toothy grin, as the fourth tooth on each side of the lower jaw sticks up over the upper lip. For alligators, the upper jaw is wider than the lower one, so when they close their mouths all their lower teeth are hidden.
- 27. Humans

Station 8

- 28. Pseudacris
- 29. Hylidae
- 30. North America
- 31. Eats insects so it controls the insect population, Is a food source for predators

Station 9

- 32. Scincidae
- 33. They eat insects, worms, other lizards, rodents, but can also eat fruits and vegetables
- 34. True
- 35. Jacobson's organ OR vomeronasal organ

Station 10

- 36. Testudinidae
- 37. Think rear legs, short webless feet, and short digits
- 38. Their sense of smell/Scent
- 39. Carapace

Station 11

- 40. Crotalus
- 41. Viperadae
- 42. The rattle on its tail
- 43. Blood tissue

Station 12

- 44. D.
- 45. Snakehook, Antivenom, Gloves, Goggles, Scale/Balance, Wide/Flat pieces of tin,
- 46. Balance, Water displacement with mass

Station 13

- 47. Toads – C
- 48. Tree Frogs – B
- 49. Spadefoot Toads – D
- 50. True Frogs – A