



## 2022 REGIONAL ENVIROTHON

### Wildlife Test

(25 total points)

**INSTRUCTIONS:** Write your answers on the Respondent Sheet.

1. Which of these following native snake species of Iowa is poisonous?
  - a. Rattlesnakes
  - b. Northern Water Snakes
  - c. Prairie Rattlesnakes
  - d. None of the above
2. Cecropia Moths, Iowa's largest moth species, go through a process of metamorphosis. What is the correct order of the process?
  - a. Egg – caterpillar – pupa – adult
  - b. Egg – worm – chrysalis – adult
  - c. Egg – caterpillar – chrysalis – adult
  - d. Egg – caterpillar – cocoon – adult
3. What is the largest species in the rodent family?
  - a. River Otter (*Lontra canadensis*)
  - b. Wolverine (*Gulo gulo*)
  - c. American Beaver (*Castor canadensis*)
  - d. Woodchuck (*Marmota monax*)
4. Female American Goldfinches utilize thistles and cattails to make their nests. What time of year do they nest?
  - a. Early Spring (March and April)
  - b. Early Summer (May and June)
  - c. Late Summer (July and August)
  - d. Fall (September and October)
5. Which of the following is an example of the function of a keystone species?
  - a. Woodpeckers carving out holes in trees for nesting
  - b. Bluegills controlling zooplankton populations
  - c. Millipedes eating decaying wood plant matter
  - d. None of the above

6. Bulls, cows and calves are terms that are used with what large North American mammal species?
- Moose, Bison, Elk, and White-tail Deer
  - Bison and Elk only
  - Moose and Elk only
  - Moose, Bison, and Elk

**MATCHING:** Match the definition with the appropriate scientific term .

- |                         |                          |
|-------------------------|--------------------------|
| a. Bioaccumulation      | f. Dendrology            |
| b. Wildlife Corridors   | g. Habitat Fragmentation |
| c. Citizen Science      | h. Biodiversity          |
| d. Natural Disturbances | i. Phenology             |
| e. Ecosystem Services   | j. Flyway                |

7. \_\_\_\_\_ The process that causes the concentration of a substance to increase as it moves up the food web.
8. \_\_\_\_\_ The study of how the biological world times natural events.
9. \_\_\_\_\_ A positive benefit that wildlife provides to humans, which can include regulating, supporting, cultural or provisioning.
10. \_\_\_\_\_ Public volunteers give their time to assist scientists in scientific research.
11. \_\_\_\_\_ Human expansion that forces wildlife into smaller tracts of land which can cause the decline of many wildlife species.
12. \_\_\_\_\_ Tract of land that connects different wildlife habitats that might otherwise be separated by human development.
13. The following species lay their eggs in water.
- Tiger Salamander
  - Northern Pike
  - Grey Tree Frog
  - All of the above
14. The following can be hunted in Iowa:
- Hungarian Partridge, Bobwhite Quail, Woodcock
  - River Otter, Bobcat, Moose
  - Elk, Mourning Dove, Wood Duck
  - A and C only
  - Bobolink

15. Eastern Wild Turkeys (*Meleagris gallopavo silvestris*) were reintroduced in Iowa in the \_\_\_\_\_.
- 1920s
  - 1940s
  - 1970s
  - They were never reintroduced.
16. \_\_\_\_\_ are the fastest birds of prey, clocked at over 200 mph when diving.
- American Kestrel
  - Sharp-shinned Hawk
  - Peregrine Falcon
  - Osprey
17. The following insects migrate south for the winter:
- Monarch Butterflies
  - Common Green Darners
  - Viceroy
  - A and B only
18. Wood ducks are Iowa's only tree nesting duck species. Soon after hatching, Wood duck chicks will plummet as far as 50 ft. to the ground. These chicks are a great example of a species in which the young hatch with feathers, good eyesight, and have the ability to feed themselves. Ornithologists use this word to describe this type of baby:
- Precocial
  - Altricial
  - Nidicolous
  - None of the above
19. Over \_\_\_\_\_ species of moths have been recorded in the state of Iowa.
- 50
  - 200
  - 500
  - 2000

**IDENTIFICATION:** Identify each of the following.



20. The snake to the left is a \_\_\_\_\_.
- a. Water snake
  - b. Common water snake
  - c. Eastern milk snake
  - d. Ring necked snake



21. The frog to the left is \_\_\_\_\_.
- a. A Plains Leopard Frog
  - b. A Crawfish Frog
  - c. A Pickerel Frog
  - d. An Eastern Green Treefrog



22. The creature to the left is \_\_\_\_\_.
- a. An Eastern Tiger Salamander
  - b. A Tiger Salamander
  - c. An Eastern Newt
  - d. A Smallmouth Salamander



23. To the left is a \_\_\_\_\_.
- a. Blanding's Turtle
  - b. Wood Turtle
  - c. Yellow Mud Turtle
  - d. Box Turtle



24. To the left is a \_\_\_\_\_.
- a. Six-lined Racerunner
  - b. Slender Glass Lizard
  - c. Northern Prairie Skink
  - d. Prairie Skink



25. The bird to the left is \_\_\_\_\_.
- a. A Golden Eagle
  - b. An Osprey
  - c. A Turkey Vulture
  - d. A Red-tailed Hawk

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TEST REVISION DATE

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CONTENT EXPERT

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