

REPTILES & AMPHIBIANS

1. **DESCRIPTION:** This event will test knowledge of amphibians, turtles, crocodiles & reptiles.

A TEAM OF UP TO: 2

APPROXIMATE TIME: 50 minutes

2. **EVENT PARAMETERS:** Teams may bring **the Official List of Reptiles & Amphibians** and one 3-ring binder (any size) containing pages of information in any form from any source.
3. **THE COMPETITION:** This event will be run in a station format. There should be a balance between amphibian, turtle, & reptile questions with some questions on crocodilians. The event could include live and preserved specimens, skeletal material and slides or pictures of specimens.
 - a. Participants should be able to do basic identification to the level as indicated on the Official List. No more than 50% of the competition will require providing common names.
 - b. Each specimen will have one or more questions accompanying it on some aspect of its life history, distribution, anatomy and physiology, reproduction, habitat characteristics, diet, behavior, conservation, and biogeography.
4. **SCORING:** Points will be awarded for the accuracy of responses. Ties will be broken by the accuracy or quality of answers to pre-selected questions chosen by the event leader.

The Official List of Reptile & Amphibians

Order

- Family
 - *Genus (species-none listed) - common name*

Crocodylia

- Crocodylidae - crocodiles
- Alligatoridae – alligators and caiman

Testudines

- Chelydridae - snapping turtles
- Kinosternidae - musk and mud turtles
- Emydidae -
 - *Terrapene - box turtles*
 - *Graptemys - map turtles*
 - *Chrysemys - painted turtles, sliders & redbelly*
 - *Clemmys – spotted, bog, and wood turtles*
 - *Emydoidea – Blanding’s turtle*
- Trionychidae – soft shelled turtles

Squamata

SUBORDER LACERTILA OR SAURIA - LIZARDS

- Gekkonidae – gecko lizards
- Iguanidae – iguanids
- Phrynosomatidae – spiny
 - *Sceloporus – spiny lizards*
- Lacertidae – wall lizards
- Scincidae – skinks

SUBORDER SERPENTES - SNAKES

- Boidae
- Colubridae – typically harmless snakes
 - *Nerodia – water snakes*
 - *Storeria – brown snakes and redbelly snakes*
 - *Thamnophis – garter and ribbon*
 - *Heterodon – hog nosed snakes*
 - *Diadophis – ringneck snakes*
 - *Coluber – racers*
 - *Opheodrys – green snakes*
 - *Lampropeltis – king and milk snakes*
- Viperidae – (subfamily viperinae) pit vipers
 - *Agkistrodon – copperhead*
 - *Sistrurus – massasauga rattlesnakes*
 - *Crotalus – rattlesnakes*

Caudata (Urodela)

- Cryptobranchidae – hellbenders
- Proteidae – mud puppies and water dogs
- Ambystomatidae – mole salamanders
- Salamandridae – newts
- Plethodontidae – lungless salamanders

Anura (Salientia)

- Bufonidae – toads
- Hylidae – tree frogs
- Ranidae – true frogs