

HOW HERPS COPE WITH THE COLD

1

WHY HERPS?



- Secrecy with the exception of frogs, most herps lead very secret lives, many are masters of camouflage
- Transportation restrictions generally small animals that crawl, hop, or swim with small territories
- ${\color{red} \bullet } \ {\bf Ectothermic-dependant} \ {\bf on} \ {\bf environment} \ {\bf to} \\ {\bf regulate} \ {\bf body} \ {\bf temperature}$
- ${\color{red} {f o}}$ Dormancy inactive for large portions of the year

3

THE ACTIVE TIME OF YEAR:



- Reptiles and amphibians emerge with warming temperatures
 March/April
- What are the main priorities upon waking??



Wood frogs may emerge as early at February to being mating

5



 Male garter snakes emerging from hibernacula undergo fierce competition for females.

OHIO'S REPTILES



- 46 species in Ohio:
- Turtles • 11 species
 - Most freshwater aquatic
- o Snakes and Lizards
 - 30 species of snakes • Occupy variety of habitats
 - 5 species of lizards • All terrestrial and arboreal











9

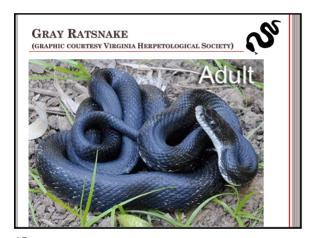




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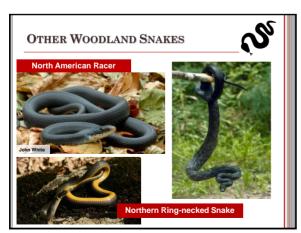








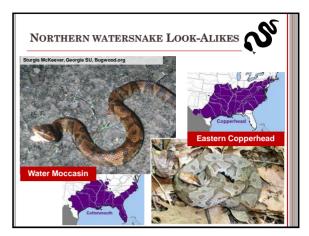
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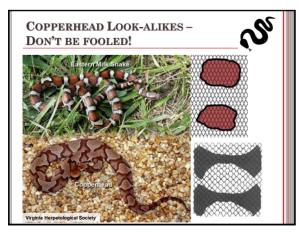
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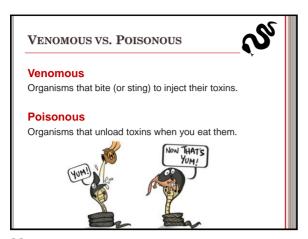




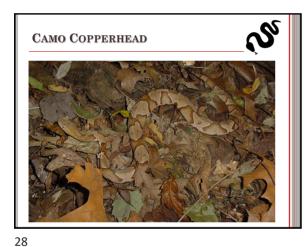








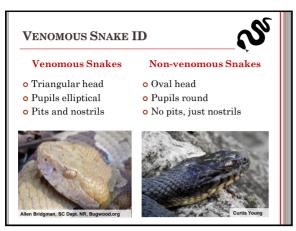
















If you don't know what species of snake it is, don't bother it!

34



TIME TO TALK...TURTLES!

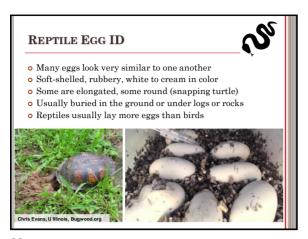
O Remain relatively unchanged through the years

200 million years old

Painted turtle
Red-eared sliders
Snapping turtles

O Woodland box turtle
Forested areas
High-domed carapace and hinged plastron = boxed in for protection

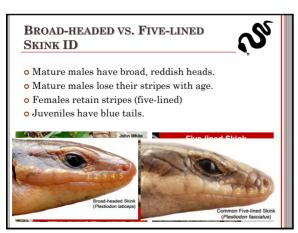
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HERPS AND HUMANS

Lizards

- o Inside house, garages, basements
- Come in to escape weather and find food
- Catch with box or jar and release outside.

- Nesting in yard, living in ponds
- Leave nest alone, fence off
- o Trapping/hook and bait with fishing license

Snakes

- In basements, basking on porch steps, in the lofts of barns
- Seal cracks between house and foundation (most snakes can fit through crack ½" wide)
- Eliminate brush or log piles next to house or structure
- Erect angled fence, bury it 2-4" underground

44 45

WHAT CAN YOU DO TO HELP?



- Protect/create vernal pools
- o Create shallow edges around ponds
- o Anchor logs to banks over open water for turtles to bask
- o Add rocks, logs (cedar or oak) along shores to create basking sites
- o Introduce native plants to edges of ponds as well as to the water

WHAT SHOULD I PLANT?



- Emergent Vegetation
 - · Cattails
 - o No narrow-leaf cattail
 - o Broad-leaf cattail o Can be very aggressive
 - Sedges
 - Very diverse and not very aggressive
 - Rushes
 - ${\color{red} \circ}$ Bulrushes
 - Irises

49

- · Arrowhead
- · Pickerel weed



46 47

WHAT SHOULD I PLANT?



- o Trees and Shrubs
 - · Red osier dogwood
 - · Cranberry viburnum • Buttonbush

 - Sumacs Serviceberry

species

- Winterberry (male and
- female) o Good for every wildlife
 - · Stabilize edges, shade water surface – cool spots for wildlife, limits algae growth





QUESTIONS??



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48