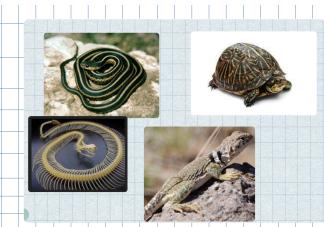
Reptiles

Domain. Eukaryota Kingdom Animalia Phylum Chordata Class. Reptilia



Class Reptilia (to + creep)

Dry skin and scales. Internal fertilization

Carnivorous (turtles omnivorous) Cold blooded

First vertebrates with Amniotic Eggs

- -Eggs with extra embryonic membrane
- •Protect embryo from dehydration
- •Cushions embryo
- Promotes gas transfer
- Stores waste



Oviparous- Egg laying
Turtles, most snakes & lizards.

Ovoviviparous- Internal eggs Some lizards

Viviparous- Live young Some snakes



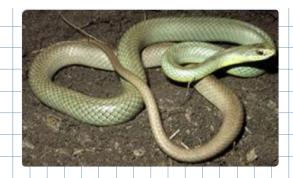


Domain. Euk	aryota						
	nalia						
	rdata				90		
	tilia		1111		5		
	ıamata	A Pri					
Family		A STAN			4 10		
Genus		100		No. Told St.	0230		1 300
Species					Cub3	1150	
SP COLOR					-		201
					I		
Order Squamata	(scale + to bear						
oraci oquamata	(Seare : to sear					4	
Lizards (Suborde	er Sauria)						
~3,300 specie							
Usually 2 nair	s of walking le	20					
Osdany 2 pan	5 of walking leg	53					
• Visible Ear ho	les						
• Eye lids	163						
Chromataphor	-og						
• Cinomataphol	CS						
Snakes (Suborde	r cernentec)						
~2,300 specie							
Elangated bac	s ly lacking limbs	,					
200+ vertebra							
200 - Vertebra							
♣ Upper & lowe	r iovy movahla	and hinga	d				
Topper & rowe	a jaw movable	and mige	u.				
✓ Elongation of	hody regulted i	n logg of I	oft lung o	nd righ	st Irida	001	
Libilgation of	body resulted i	11 1088 01 1	en lung a	iiu iigi	it Kiti	icy.	
Clrip aggrand	in Keratin scale	g					
	oians, reptile sk		oid in a	agnirat	ion		
Omike ampin	olans, repule sk	m does no	ot ald III I	espirat	1011.		
NI - 1 - 1 - 1 1 -							
Nonkeeled scale	nalrag				_	333	
Non-venomous s	nakes			3		33	
TZ 1 1 1							
Keeled scale				200			

Ventral scales larger to facilitate movement Ecdysis (ek-dis-is): Periodic shedding of the skin. Begins with head Vipers (family Viperidae) possess hollow fangs to inject venom Pit Vipers have a Pit Organ on each side of the face that is heat-sensitive. Usually nocturnal so this aids their hunting. Ectotherms: Rely on external heating source to warm their body. (Cold-Blooded) To stay active reptiles must maintain a temperature between 25-37 degrees Celsius. May form Hibernacula (large groups of reptiles in a group) in the winter to stay warm. **Snakes of Kansas**

NORTH AMERICAN RACER Coluber constrictor

smooth scales
blue-grey/greenish-blue
2' - 4' in length
constrictor



SPECKLED KINGSNAKE Lampropeltis holbrooki

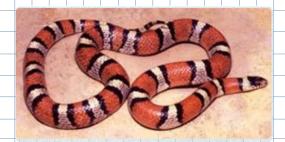
black with yellow speckled spots 3' - 4' in length constrictor



WESTERN MILK SNAKE

Lampropeltis gentilis

alternating color bands red - black - yellow 2' - 3' in length



RING-NECKED SNAKE Diadophis punctatus

body grey-black with orange neck bright orange ventral tail eat earthworms, insects, etc rear-fanged harmless



COMMON GARTER SNAKE

Thamnophis sirtalis

dorsally striped checkered black/red dorsal 2'-3' length



WESTERN RIBBON SNAKE

Thamnophis proximus

orange middorsal stripe
3' - 4' length
greenish ventral
tail 1/3 total length



GREAT PLAINS RAT SNAKE

Pantherophis emoryi

light grey/tan with darker blotching
2' - 4' length
divided anal scales
dark banding across eyes



WESTERN RAT SNAKE

Pantherophis obsoletus

juvenile lack black color blotches typically longer than wide



EASTERN COPPERHEAD

Agkistrodon contortrix

3' - 4' length venomous (no rattle) typical near water



TIMBER RATTLESNAKE Crotalus horridus large and stout 5' + length venomous (with rattle) WESTERN MASSASAUGA Sistrurus catenatus absent from johnson county venomous (with rattle) Essential question #2 How do matter and energy move through the ecosystem?