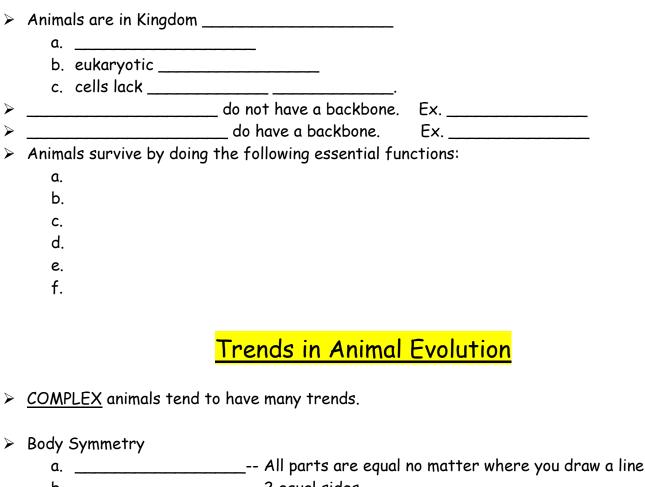
Animal Adaptations Notes

<u>Characteristics of Animals</u>



- b. _____-- 2 equal sides
- Image: sense organs & nerve cells at the front end of the body (ex:

Invertebrate Form & Function

- > Invertebrates have 1 of 3 main kinds of skeletal systems:
 - > _____---> _____---
 - > _____---

\triangleright	Most	invertebrates	reproduce
------------------	------	---------------	-----------

_____ during at least part of their life cycle > Depending on ______, however, many invertebrates may also

reproduce _____

<u>Controlling Body Temperature</u>

\triangleright			: The control of	is important for
		ebrates.		
	\triangleright	Particularly in habitat	s where	with time
		of day and with		
\triangleright		-	the body temperature is d	etermined by the temperature of
			·····	·····
	\triangleright	the animals pick	from, or	to, their environment.
\triangleright		-	an animal whose	controlled
		within		
	\triangleright	They can generate & r	etain heat	
		·		
		Ventebrat	e/Chordate Form a	& Eunction
. –				
*Exa	mples o	of chordates:		
*Mos	t chor	dates are vertebrates.	There are 2 exceptions:	&
		·		
Choro	date Fo	orms & Functions:		
		iration:		
	0	As a general rule,	chordates (tu	inicates, fishes, &
		larva	ne) use f	or respiration.
	0	vertebro	ites (adult amphibians, rept	iles, birds, &) use
	0			
\triangleright	Resp	onse:		
	0	Non-vertebrate choro	lates have a n	ervous system.
	0		ore complex	•
	<u>Stru</u>	cture/Movement:		
	0	The	&	systems support a vertebrate's
			e to control movement	

Reproduction:

Almost all chordates reproduce ______.

Elements of Behavior (Chapter 27.1 & 27.2)

	What is behavior?
	• Ex:
۶	A is any kind of signal that carries info & can be detected.
	 A is a single, specific reaction to a stimulus. o Example:
	Behavioral responses to stimuli may be Detecting and responding to stimuli is key to an
	 Types: and
	 give an animal information about its surroundings. Types:,,,,
	When anto a stimulus,(including sense organs, nervous system, & muscles), interact to produce the
In	nate Behavior
	What is innate behavior?
	Innate behaviors appear in form the time they are performed, even though the animal may not have had any previous experience with the o Example:

Learned Behavior

 \triangleright

P

behavior	develops	

Dehavior develops _____.
 They are sometimes called _____.

_	The 4 Major Types of Learning Behavio	ors Examples
1.	when an animal decrea	ses or stops
	its response to a that n nor harms the	either rewards
2.	when an animal m	akes a mental
	connection between a& some kind a	of
3.	when an animal	
	in a certain way through	
	in order to receive a	
	•& reinforcem	ent
4	(reasoning) - occ	urs when an
	animal applies something it has	to a new
	without a	

Imprinting

 \geq

_____- involves both innate & learned behavior

Young animals have an innate urge to follow the ______

but are ______ what that object will look like

Patterns of Behavior

Behavioral Cycles > Many animals respond to periodic changes in the _____ or _____ of behavior _____ - the periodic ______ from _____ to another & then > What are circadian rhythms? • Example: > Why do animals hibernate?

<u>Socia</u>	Behavior:			
\triangleright	Often members of a society	are	to one	e another.
	Share a large proportion of each other's			
	Helping relatives			passed along to
	Animal societies enhance th	e	_success of ind	ividual members.
<u>Court</u>				
\triangleright	Courtship behavior is part o	f an overall		strategy that helps
	animals identify healthy			
	To pass along genes, t	hey need to repr	oduce sexually.	
\triangleright	Individuals send out stimuli	(like sounds, visua	l displays, or che	emicals) to attract a mate.
	 Examples: 			
	What is a territory? When 2 or more animals try	to claim		
\triangleright	During competition, animals			
\triangleright			behavior	that one animal uses to
	gain	over another		
	unication			
\triangleright	The passing of	from one		to another
\succ	Animals may use	,,,,,	, or	to
	communicate with one anoth	er		
\triangleright	:	a system of comm	nunication that c	ombines sounds, symbols, or
	gestures according to			_ order & meaning (grammar
	& syntax)			
	N The meat	farma	foommunication	ia

The most ______ form of communication is