

Animal form and function Cheat Sheet by katiefocht25 (katiefocht) via cheatography.com/132231/cs/31287/

A&P form and function		
anatomy	study of biological <i>form</i> of an organism	
physiology	study of biological <i>functions</i> an organism performs	

coordinatio	n contributes to homeostasis
homeos-	maintenacne of internal
tasis	balance regardless of external
	environment
- in	temp, blood pH, glucose
humans	
achieved	fluctuations around a set point
by:	
	stimulus by sensor/receptor
	sensor triggers response

A&P organization	
cells to tissues to organs to organ systems	
digestive system	
circulatory system	
respiratory system	
excretory system	

homeostas	is: thermoregulation
thermo- regulation	maintenance of internal temp in a tolerable range
endoth- ermic:	generate heat by metabolism
	BIRDS AND MAMMALS
ectoth- ermic	gain heat from external source
	invertebrates, fish, amphibians, reptiles
animal bioe	energetics
	energetics sfer and transformation
energy tran	sfer and transformation
energy tran	sfer and transformation amount of energy an
energy tran metabolic rate basal metabolic	sfer and transformation amount of energy an animal uses per unit time

epithelial strat. squamous= mouth pseudo strat colum= espohogus simp squam= lungs simp colum= intestines cube= kidneys connective loose, fibrous, bone, adipose, cartilage, blood muscle skeletal- "muscles" cardiac= heart involuntary smooth= intestines involuntary nervous neurons and glia torpor torpor torpor physiological state of low metabolism hibern- ation		
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espohogus simp squam= lungs simp colum= intestines cube= kidneys connective loose, fibrous, bone, adipose, cartilage, blood muscle skeletal- "muscles" cardiac= heart involuntary smooth= intestines involuntary nervous neurons and glia torpor torpor physiological state of low metabolism hibern- long term torpor	epithelial	strat. squamous= mouth
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cardiac= heart involuntary smooth= intestines involuntary nervous neurons and glia torpor torpor physiological state of low metabolism hibern- long term torpor	connective	
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nervous neurons and glia torpor torpor physiological state of low metabolism hibern- long term torpor		cardiac= heart involuntary
torpor torpor physiological state of low metabolism hibern- long term torpor		smooth= intestines involuntary
torpor physiological state of low metabolism hibern- long term torpor	nervous	neurons and glia
metabolism hibern- long term torpor	torpor	
hibern- long term torpor	torpor	physiological state of low
initial in the second s		metabolism
ation	hibern-	long term torpor
	ation	



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