## Cheatography

## AP Biology Ch41 Digestive System Cheat Sheet by Diana D (dianadavis) via cheatography.com/134628/cs/27796/

acts as a solvent (making transport of materials easier), maintains temperature

homeostasis, gives structure to cells, and allows chemical reactions to take place

main "fuel" of the body, broken

down by the digestive system and cellular respiration to supply ATP to cells

membrane, dissolves fat-so-

luble molecules, stores energy,

and are vital in the functioning of our nervous system

some our body can make and other must be consumed, most

ORGANIC molecules that the body only needs a small amount of, may be water or fat

INORGANIC molecules that the body needs in small amounts, often components of other molecules in the body

mechanically breaks down

flap that covers the trachea

the tube connecting the

mouth and stomach, uses

used to make the cell

amount of functions

soluble

Organs of the Human Digestive Tract

food via chewing

when swallowing

peristalsis

**Required Nutrients** 

Water

Carboh-

ydrates

Fats

Fatty

Acids)

Proteins

Vitamins

Minerals

Mouth

Epiglottis

Esophagus

(Essential

Different Kinds of Tissues		
Epithelial	lines the interior and exterior	
Tissue	body surfaces	
Connective Tissue	supports the body and connects parts of the body to each other	
Nervous Tissue	transmits nerve impulses (signals)	
Muscle Tissue	changes its size and shape to move parts of the body	

Feeding Strategies				
Herbivore	only plant matter	Cow		
Omnivore	both plant and animal matter	Humans		
Carnivore	only animal matter	Lion		
Suspension Feeder	filter small food particles from water	Whales, Clams, & Oysters		
Substrate Feeder	live in or on their food source and eat their way through it	Caterp- illars & Larvae		
Fluid Feeder	suck nutrient- rich fluids from a host organism	Parasites & Nectar Eaters		
Bulk Feeder	ingest large chunks of food	Most Organisms		

## Homeostasis

Homeostasis is the body's ability to maintain internal conditions

Feedback Inhibition (also known as negative feedback or a negative feedback loop) occurs when some function of the output of a system, process, or mechanism is fed back in a manner that tends to reduce the fluctuations in the output, whether caused by changes in the input or by other disturbances



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Organs of the	Human	Digestive	Tract	(cont)
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Stomach	contains strong muscles for
	mechanically digesting food
	and secretes gastric juice to
	chemically break down food
Pyloric	located at the bottom of the
Sphincter	stomach joining to the small
	intestine