# Cheatography

## Physio Unit 2 Cheat Sheet by brebernard via cheatography.com/36010/cs/11332/

Neurochemistry basics				
	Effects NT's are released together combined with other chemicals			
3 Principles				
Associations		NT's are associated with specific attributes		
Categories		NT's are categorized by their chemical structures		
Excitatory/in hibitory		NT's are EITHER excitatory OR inhibitory		
Small Molecule NT's				
Acetylch oline	Ch	emical messenger		
Amines		include dopamine, serotonin, antihistamine		
Amino Acids		amine+carboxyl group; include glutamate and GABA		

Peptides	
Peptides	chains of amino acids; largest group
	of NT's

Other NT's			
Lipids	organic compounds; not water soluble, include cannabinoids		
Nucleo sides	can be released in places other than the synapse; most prominent is adenosine		
Gases	diffuse in other places in the nervous system; include carbon monoxide and nitric oxide		

Achetylcholine		
Who discovered it?	Otto Lovi	
Where does it come from?	the binding of acetate <i>acetate</i> and <i>choline</i> ; choline is found in diet	
What breaks down ACh?	AChE (acetylcholinesterase)	

## By brebernard

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### Achetylcholine (cont)

Achetyicholine (cont)			
What does it do in the PNS?	activates muscles; receptors for activation are Nicotinic receptors		
Excitatory or Inhibitory?	excitatory but can excite inhibitory NT's		
What does it do in the CNS?	primary NT in the hippocampus; critical for learning and memory; helps maintain attention		
How does it affect sleep?	rises during REM sleep; is usually an arousing NT		
Is it linked with depressio n?	if ACh is very high, yes. causation is not proven		

#### Catech arousing neurotransmitters olamines What MAO (monoamine-oxidase); allows for more amines in synaptic cleft breaks down Catech olamines? How very low MAO is linked with aggression; low MAO+being does MAO abused=high chance of becoming an affect abuser; combination of life experiences and MAO determine the brain/b likelihood and severity of depression ody?

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