

<u>Drug/Category</u>	<u>Key NTs Affected</u>	<u>Result(s)</u>
<b>Alcohol</b>		
<b>Depressant</b>	Increases: Dopamine Decreases: GABA Glutamate	Sedative effect Chronic: Desensitvity to GABA Hypersensitivity to glutamate

**Opiates**

<b>Depressant</b>	Increases: Dopamine (2-10x)	Euphoric effect
Heroin, Morphine, Hydrocodone, Oxycodone	Mimics: Endorphins Decreases: GABA	Body decreases natural production of endorphins & dopamine
Brand names: Oxy Contin, Percocet, Percodan, Vicodan, Demerol		

**Cocaine**

<b>Stimulant</b>	Blocks Re-uptake of: Dopamine Norepinephrine Serotonin	Confidence & energy Brain is flooded with extra dopamine (pleasure); natural production decreases
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**Nicotine**

<b>Stimulant</b>	Increases: Dopamine Binds to : Acetylcholine	Body becomes unresponsive to neurotransmitters (bigger gap – lag time)
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**Caffeine**

<b>Stimulant</b>	Increases: Epinephrine (adrenaline) Dopamine Blocks: Adenosine (calm/sleep)	Neural activity speeds up (attention, energy)
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*Addicting  
Headaches*

<u>Drug/Category</u>	<u>Key NTs Affected</u>	<u>Result(s)</u>
<b>Amphetamines</b>		
<b>Stimulant</b>	Increases: Dopamine	Pleasure
Meth	Removes the inhibitory effect of Glutamate	Releases the natural <b>brakes</b>
<b>Cannabis</b>		
<b>Mild Hallucinogen</b>	Increases: Dopamine Binds to : Endorphins	Slight euphoria, relaxation, Amplified auditory & visual perceptions Amotivational syndrome ( <b>apathy</b> )  Alters: mood, <b>appetite</b> , cognition, sense of touch, sight, sound, space, & time
(hippocampus & cerebral cortex, & cerebellum)		Reduces: general brain excitability, blood/glucose delivery to brain  Impairs: short-term <b>memory</b> , <b>learning</b> , <b>attention</b> , balance, posture, & coordination
<b>Ecstasy</b>		
<b>Stimulant &amp; Hallucinogen</b>	Increases: Norepinephrine Dopamine Serotonin (initially) Decreases: Serotonin	High energy & euphoria Decreases <b>social inhibitions</b>
<b>Benzodiazepines</b>		
<b>Depressant</b>	Increases: GABA efficiency	Hypnotic, <b>amnesia</b> -like effect (extremely dangerous when combined with alcohol)
Diazepam, Clonazepam		
Brand names: Valium, Rivotril		