Pharmacology Lectures
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Euphoria

Tachycardia

Respiration rate

Agitation

Hypertension

Dyspnea

BP

Seizure

Arrhythmias

Respiratory failure

R.I.P.
**A** No amphetamine

- Norepinephrine
- Serotonin
- Dopamine

RESPONSE

**B** With amphetamine

- Amphetamine

Norepinephrine
- Serotonin
- Dopamine

INCREASED RESPONSE
1. Excitation of postsynaptic neuron causes its depolarization and an influx of Ca²⁺.

2. Elevated Ca²⁺ levels stimulate the synthesis and release of endocannabinoids.

3. Endocannabinoids bind to the cannabinoid receptors on the presynaptic neuron that form synapses with the stimulated neuron.

4. Activated receptor modulates release of inhibitory neurotransmitters, such as GABA.
Marijuana
Disulfiram causes accumulation of acetaldehyde, resulting in flushing, tachycardia, hyperventilation, and nausea.
IT’S EASY TO LOOK SHARP

WHEN YOU HAVEN’T DONE ANY WORK