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| **Major**  **Indicators** | **CNS Depressants** | **CNS**  **Stimulants** | **Hallucinogens** | **Dissociative Anesthetics** | **Narcotic Analgesics** | **Inhalants** | **Cannabis** |
| **HGN** | Present | None | None | Present | None | Present | None |
| **Vertical**  **Nystagmus** | Present  (High Dose) | None | None | Present | None | Present  (High Dose) | None |
| **Lack of**  **Convergence** | Present | None | None | Present | None | Present | Present |
| **Pupil Size** | Normal (1) | Dilated | Dilated | Normal | Constricted | Normal (4) | Dilated (6) |
| **Reaction to**  **Light** | Slow | Slow | Normal (3) | Normal | Little or none visible | Slow | Normal |
| **Pulse Rate** | Down (2) | Up | Up | Up | Down | Up | Up |
| **Blood Pressure** | Down | Up | Up | Up | Down | Up/Down(5) | Up |
| **Body**  **Temperature** | Normal | Up | Up | Up | Down | Up/Down/Normal | Normal |
| **Muscle Tone** | Flaccid | Rigid | Rigid | Rigid | Flaccid | Normal or  Flaccid | Normal |
| **General Indicators** | Disoriented  Droopy eyelids  Drowsiness  Drunk-like behavior  Impaired judgement  Relaxed inhibitions  Slow, sluggish reactions  Thick, slurred speech  Uncoordinated  Unsteady walk  Variety of emotional effects | Anxiety  Body tremors  Dry mouth  Euphoria  Exaggerated reflexes  Excited  Eyelid tremors  Grinding teeth  (Bruxism)  Hyperactivity  Increased alertness  Insomnia  Irritability  Redness to the nasal area  Restlessness  Runny nose  Talkative | Body tremors  Dazed appearance  Difficulty with speech  Disoriented  Hallucinations  Impaired perception of time and distance  Memory loss  Nausea  Paranoia  Perspiring  Piloerection  Synesthesia  Uncoordinated | Blank stare  Confused  Chemical odor (PCP)  Cyclic behavior  Disoriented  Hallucinations  Incomplete verbal responses  Increased pain threshold  Non-communicative  Perspiring  Possibly violent  Sensory distortions  Slow, slurred speech  Slowed responses | Depressed reflexes  Difficulty concentrating  Droopy eyelids  Drowsiness  Dry mouth  Euphoria  Itching  Nausea  “On the Nod”  Puncture marks  Slow, low, raspy speech  Slowed breathing  Slow deliberate movements | Bloodshot eyes  Confused  Disoriented  Flushed face  Intense headaches  Muscle weakness  Non-communicative  Odor of substance  Possible nausea  Residue of substance  Slow, thick, slurred speech  Watery eyes | Body tremors Bloodshot eyes  Disoriented  Drowsiness  Eyelid tremors  Euphoria  Greenish coating on the tongue  Impaired perception of time and distance  Impaired memory  Incomplete verbal responses  Increased appetite  Lack of concentration  Mood changes  Paranoia  Rebound Dilation  Relaxed inhibitions  Sedation |
| **Duration of Effects** | Ambien: 4-5 hours  Klonopin:  6-12 hours  Xanax:  6-8 hours  Others: Vary | Cocaine: Up to 2 hours  Methamphetamines: Up to 12 hours | LSD: 6-8 hours  MDMA: 1-3 hours  Psilocybin: Up to 5 hours | PCP: 4-6 hours  DXM: 3-6 hours  Ketamine: Up to 2 hours | Fentanyl: 2-3 hours  Heroin:  3-5 hours  Methadone:  6-8 hours  Others: Vary | Several hours for most volatile solvents  Anesthetic gases and aerosols - very short duration | Smoked: 3-4 hours  Edibles: Up to 8 hours |
| **Usual**  **Methods of**  **Administration** | Injected  Insufflation  Oral | Insufflation  Injected  Oral  Smoked | Insufflation  Oral  Smoked  Transdermal | Injected  Insufflation  Oral  Smoked  Transdermal | Injected  Insufflation  Oral  Smoked  Transdermal | Inhalation | Oral  Smoked  Transdermal |
| **Overdose Signs** | Clammy skin  Coma  Rapid, weak pulse  Shallow breathing | Psychosis  Hallucinations  Violent behavior | Intense bad “trip”  Convulsions  Condition similar to heat stroke | Coma  Seizures | Cold, clammy skin  Coma  Convulsions  Slow and shallow breathing | Cardiac arrhythmia  Respiration ceases  Nausea / vomiting  Risk of death | Excessive vomiting  Acute anxiety attacks  Possible psychosis |
| **Foot note: These indicators are those most consistent with the category. There may be variations due to individual reaction, dose taken and drug interactions.**  **DRE Average Ranges:**  **Pulse: 60-90 beats per minute**  **Blood Pressure: 120-140mmHg Systolic / 70-90mmHg Diastolic**  **Body Temperature: 98.6 degrees, +/- 1 degree**  **Pupil Size in Room Light: 2.5 – 5.0mm**  **Pupil Size in Near Total Darkness: 5.0 – 8.5mm**  **Pupil Size in Direct Light: 2.0 – 4.5mm**   1. **Soma, Quaaludes, and some antidepressants usually dilate.** 2. **Quaaludes, ETOH, and some antidepressants may elevate.** 3. **Certain psychedelic amphetamines may cause slowing.** 4. **Possibly dilated.** 5. **Down with anesthetic gases, up with volatile solvents and aerosols.** 6. **Possibly normal.**   **Revised: 03/23 MJB Matrix version: 2/23** | | | | | | | |

DRUG SYMPTOMOLOGY CHART