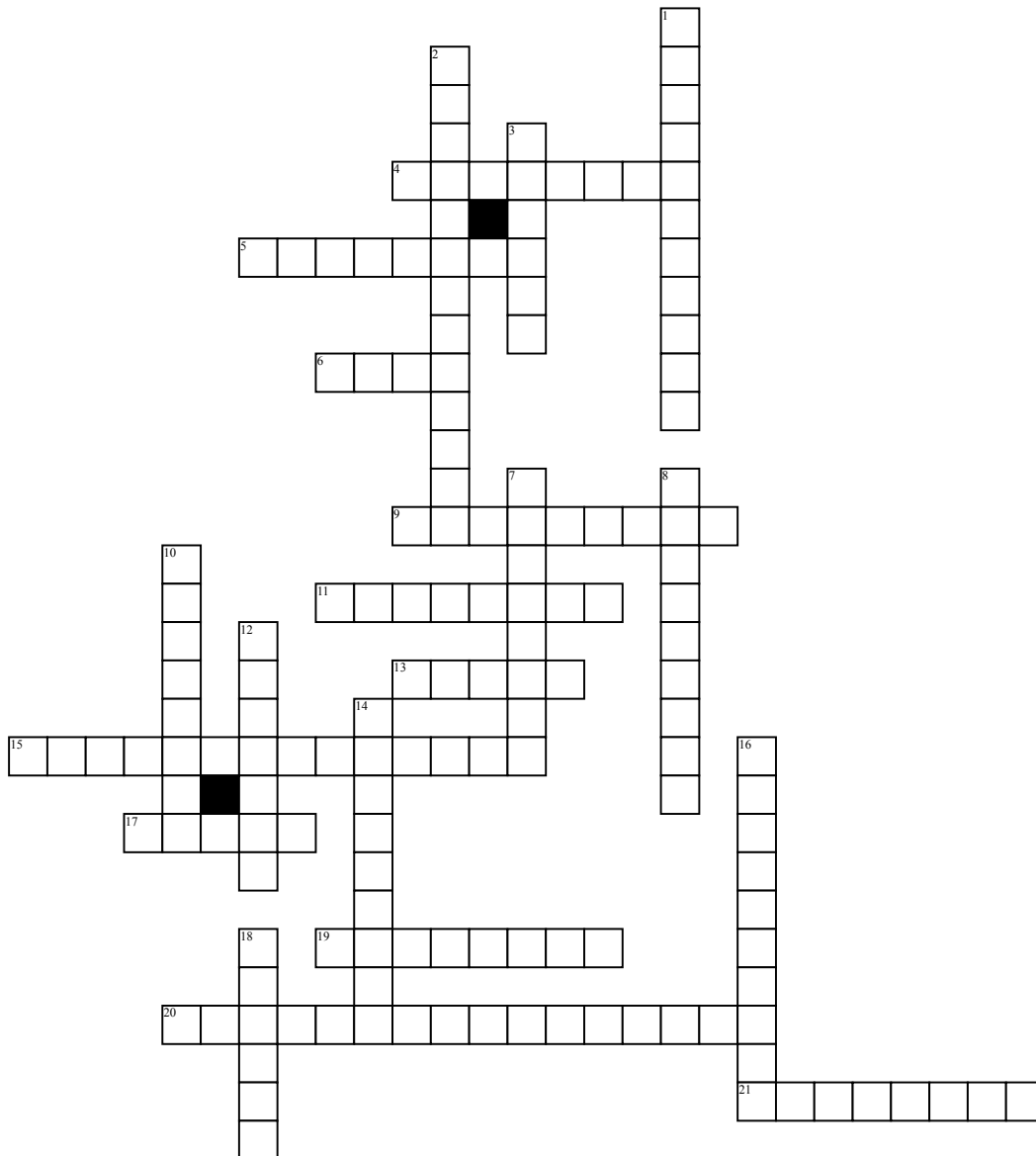


Health 451: Pain Killers



Across

4. Which of the following drugs is 100 times stronger than morphine?
 5. When heroin passes the blood-brain barrier, it becomes _____.
 6. All mammals have an opioid system? (T/F)
 9. How will a heroin user who is mainlining ingest the drug?
 11. The main target for pharmaceuticals is the _____.
 13. Place in the body where all drugs act?
 15. For anxiety disorders, doctors prescribe tranquilizers such as valium, Xanax, or lexomyl. Collectively known as _____.
 17. The three different opioid receptors are Mu, _____, and Kappa.

19. Mu receptors mediate all of the effects associated with what?
 20. Opioid Peptides and their receptors make up what system?
 21. The release of GABA while under the influence of morphine or heroin occurs in what specific part of the brain?

Down

1. What is the most obvious sign of opiate use in a person?
 2. What is morphine usually prescribed for?
 3. The body releases endorphins in response to which of the following?
 7. Over time, continued ingestion of opiates by a user is driven by a process of _____ reinforcement.
 8. What is considered the brain's natural opiate?

10. Emergency medical technicians responding to a person who has taken an overdose of heroin will likely administer a dose of _____.
 12. The Striatum and the Hippocampus are affected by _____ disorders.
 14. The long duration of action in _____ is a key factor in the drug's use as an alternative drug for heroin addicts on maintenance programs
 16. Which acute effects of opiate drugs cannot be clinically measured?
 18. How soon can a person develop physical dependence on heroin with daily use?