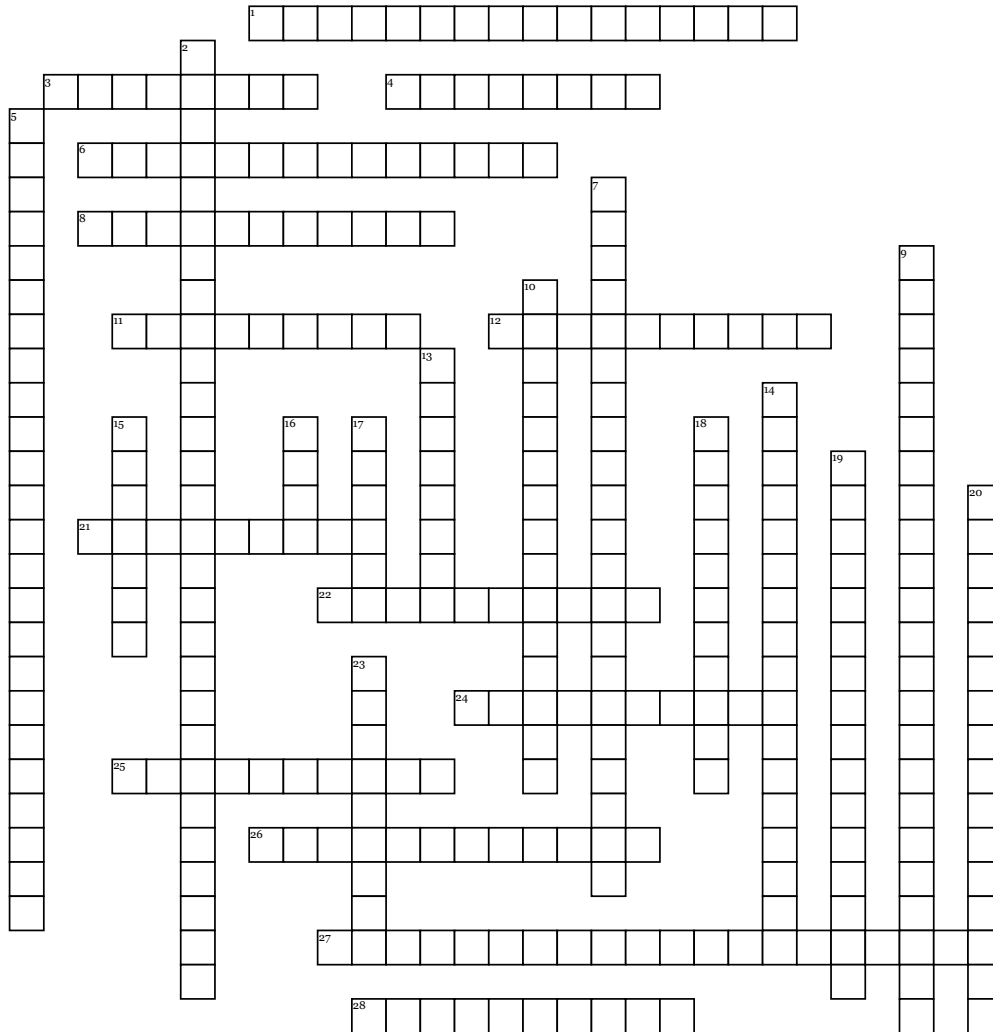


Chapter 2 Vocab



Across

1. The length of time a drug gives the desired response or is at the therapeutic level
3. The strength by which a particular chemical messenger binds to its receptor site on a cell
4. A substance that produces an allergic response
6. A system of enzymes that plays a key role in oxidizing drugs and other substances
8. Stability of the organism
11. The use of a drug for purposes other than those prescribed and/or in amounts that were not directed
12. Process in which a constant fraction of the drug is eliminated per unit of time
21. Swelling under the skin that can be a life-threatening allergic reaction
22. A state in which a person's body has adapted physiologically and psychologically to a drug and cannot function without it
24. A disease, symptom, or condition for which the drug will not be beneficial and may do harm

25. The uptake of essential nutrients and drugs into the bloodstream

26. The process by which a drug moves from the blood into other body fluids and tissues to its sites of action
27. A severe allergic response resulting in immediate life-threatening respiratory distress, vascular collapse, shock, and hives

28. A drug that binds to a receptor site and blocks the act of the endogenous messenger or other drugs

Down

2. Chemicals messengers that originate within the body
5. A process whereby a drug blocks enzyme activity and impairs the metabolism of another drug, leading to complete inhibition
7. An unusual or unexpected response to a drug that is unrelated to the dose given
9. A method of mathematically describing the process of absorption, distribution, metabolism, and elimination of a drug within the body
10. The extent to which a drug is metabolized by the liver before reaching the systemic circulation

13. The time necessary for the body to eliminate half of the drug in the body at any time; $t_{1/2}$

14. The visual chart of how a drug reaches a point where a larger dose reaches its ceiling effect

15. A drug that binds to a particular receptor site and triggers the cells response in a manner similar to the action of the body's own chemical messenger

16. The quantity of a drug administered at one time

17. The specific amount, dose, number, and dose frequency of an administered drug

18. Removal of a drug or its metabolites from the body by excretion

19. Individualized doses of drugs based on absorption, distribution, metabolism, and elimination of drugs from the body

20. An instance in which the immune system overreacts to an otherwise harmless substance

23. A dependence characterized by a perceived need to take a drug to attain the psychological and physical effects of mood-altering substances

Word Bank

Allergic Response	Cytochrome P-450	Angiodema	Drug Abuse
Precaution	Dose-Response Curve	Half-Life	Addiction
Duration of Action	Agonist	Antagonist	Elimination
First-Order	Absorption	Affinity	Distribution
Noncompetitive Inhibition	Dosage	Endogenous Chemical Messengers	Dose
Dependence	Anaphylactic Reaction	First-Pass Effect	Pharmacokinetics
Idiosyncratic Reaction	Pharmacokinetic Modeling	Allergen	Homeostasis