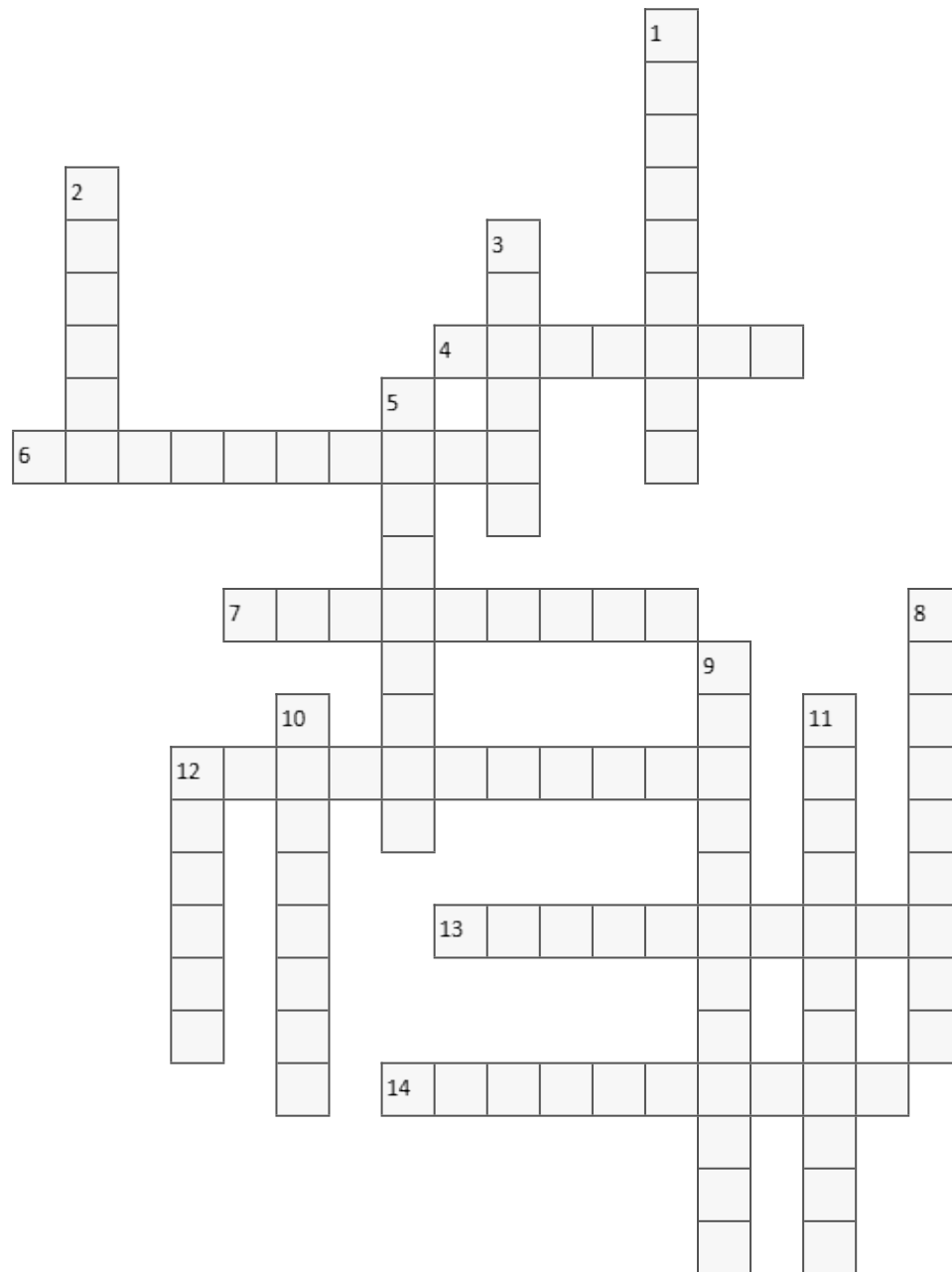


# Absorption and Distribution



## Across

4. Structure that restricts passage of substances, such as the intestinal lining
6. Chemical alteration of a drug within the body
7. Ratio describing how a compound distributes between two immiscible phases
12. Protein that moves substances across cellular membranes

## Down

1. Movement of particles from an area of higher to lower concentration
2. Space within the body that a drug occupies, influencing concentration
3. Liquid component of blood that carries dissolved substances
5. Initial liver processing of an oral dose

Across

13. Process where a molecule gains or loses an electric charge  
14. Extent to which a solid can dissolve in a liquid

Down

8. Rate at which a substance is removed from the bloodstream  
9. Ability of a substance to cross a membrane  
10. Time required for the amount of a substance to reduce by half  
11. Process of expelling a compound from the body, often via kidneys or liver  
12. Group of cells forming a functional part of an organism