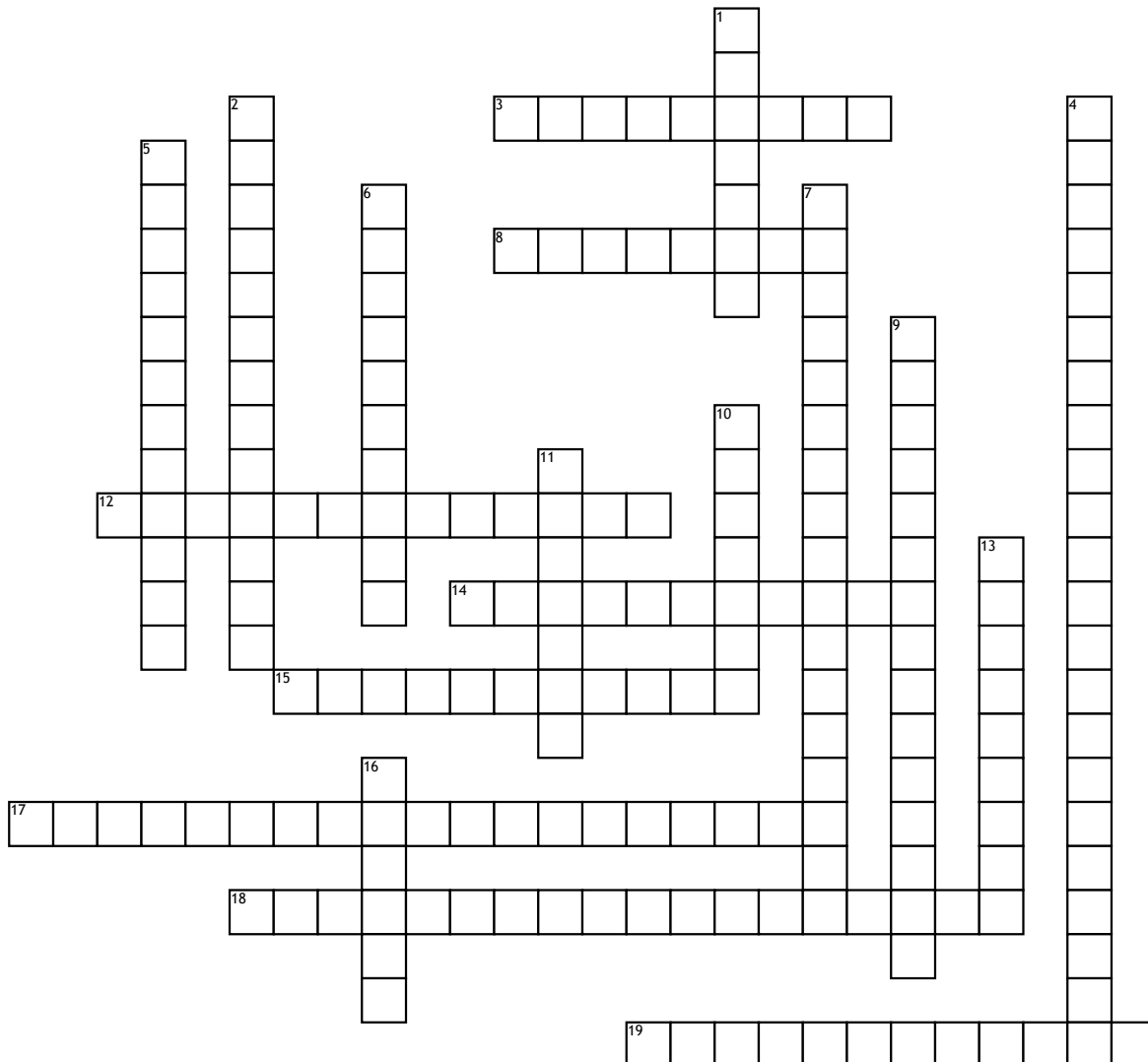


Name: _____

Date: _____

Clinical Chemistry



Across

3. electrolyte with many functions in the body and is an essential part of over 300 enzymes

8. chief extracellular anion, found in plasma and red cells with a reciprocal relationship with bicarbonate

12. used to diagnose diabetes

14. product formed as a result of respiration, useful in assessing acid-base disorders

15. can test for glucose levels in these body fluids

17. decreased elimination of CO₂, due to COPD among others

18. main cations of the body

19. substances that form or exist in ions or charged particles when dissolved in water

Down

1. most well-known hormone for the control of blood glucose

2. life-threatening condition that develops when cells in the body are unable to get the glucose they need for energy because there is not enough insulin

4. main anions of the body

5. blood glucose level of less than 50 mg/dL

6. suitable for testing blood samples for glucose

7. observed when plasma bicarbonate is decreased

9. formation of glucose from lactate or amino acids, stimulated by the hormones glucagon, cortisol and thyroxine

10. one of the most frequently performed determinations in the clinical lab

11. electrolyte essential for heart contraction

13. electrolyte that influences the muscle activity of the heart

16. important electrolyte in maintaining osmotic pressure and acid-base balance