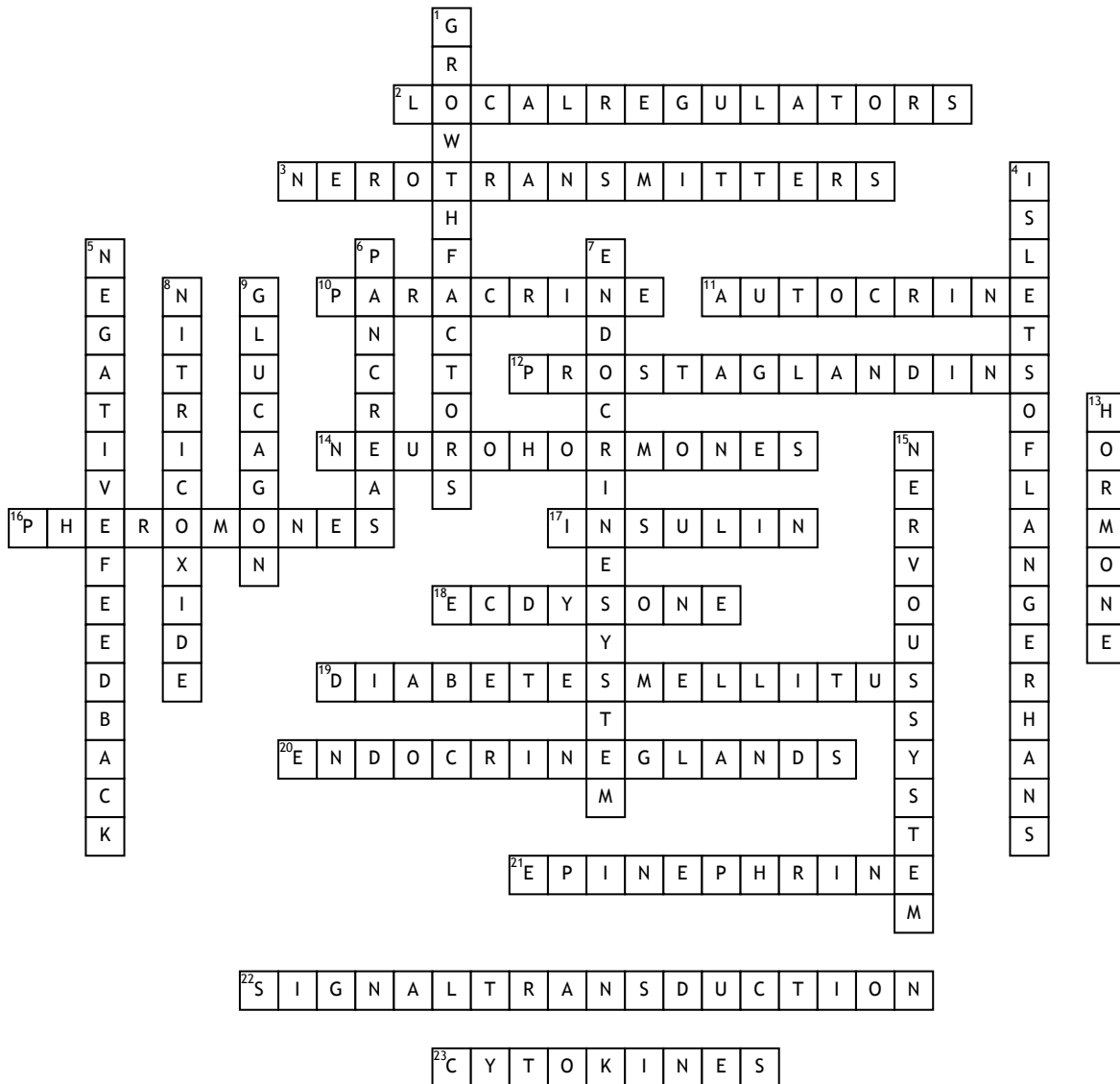


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Hormones and Endocrine System



## Across

2. secreted molecules that act over short distances to reach their target cells by diffusion
3. secreted by neurons
10. targets lie near secreting cell
11. secreted molecules act on the secreting cell itself
12. modified fatty acids
14. specialized neurons secrete molecules that diffuse from nerve cell endings
16. chemicals released into external environment
17. triggers uptake of glucose from the blood

18. released by the prothoracic glands

19. caused by deficiency of insulin

20. , ductless organs with endocrine cells

21. released in a stressful situation

22. series of changes in cellular proteins that converts the signal into a response

23. polypeptide local regulator in immune responses

## Down

1. stimulate cell proliferation and differentiation

4. scattered throughout the pancreas

5. response reduces the initial stimulus

6. gland located behind the stomach

7. , chemical signaling by hormones is the function of the

8. nitrogen and double-bonded oxygen

9. promotes release of glucose into the blood

13. molecule secreted into the extracellular fluid

15. major communication and control system