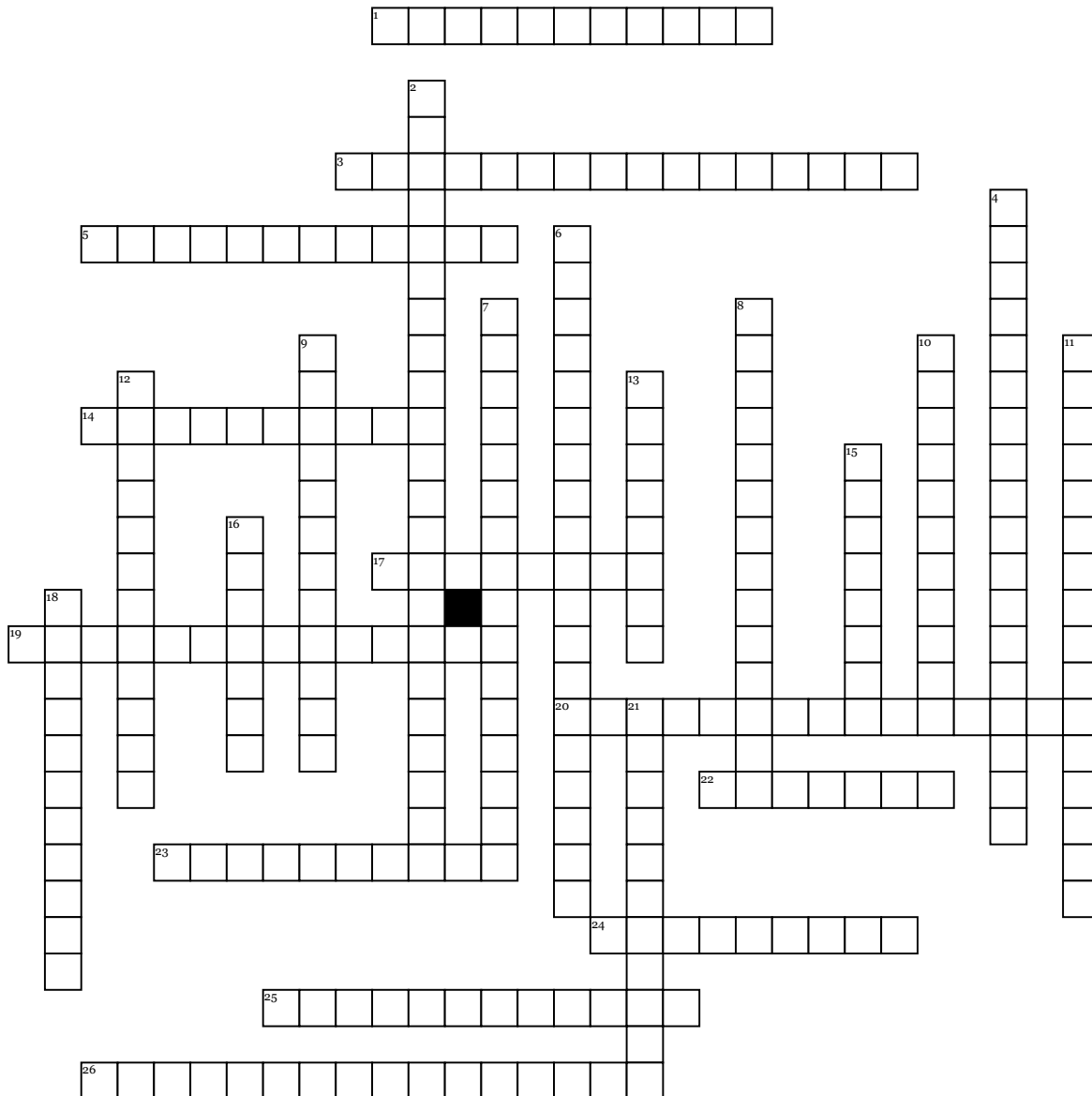


Name: \_\_\_\_\_

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

# Chapter: 17 homeostatic imbalances



## Across

1. used by some athletes to increase their speed or endurance:

3. the number of circulating platelets is deficient, which causes spontaneous bleeding from small blood vessels all over the body, treated with transfusions of concentrated platelets

5. a globin chain is absent or faulty

14. Approximately 65% of the body iron supply is in \_\_\_\_\_

17. when an embolus reaches a blood vessel too narrow for it to pass through and it blocks the blood vessel

19. \_\_\_\_\_ includes the raw minerals of amino acids, lipids, and carbohydrates

20. when someone exercises, their blood volume expands and this dilutes the blood over time

22. \_\_\_\_\_ is a condition in which the blood has abnormally low oxygen-carrying capacity

23. A decrease in the number of white blood cells, frequently makes people more susceptible to infections

24. the balance of the heme group is degraded to \_\_\_\_\_

25. a condition where there is an abnormal excess of erythrocytes, which increases the thickness of the blood. Blood volume is also increased, and blood will flow slower.

26. \_\_\_\_\_ erythrocytes rupture, or lyse, prematurely

## Down

2. Iron is stored in what cells?

4. \_\_\_\_\_ result from blood loss

6. results from inadequate intake of iron-containing foods

7. deficiency of vitamin B12 Abnormal Hemoglobin

8. Patients whose kidneys have failed produced too little \_\_\_\_\_

9. bilirubin is picked up by liver cells, which in turn secrete it into the intestine, where it is metabolized to \_\_\_\_\_

10. most of this degraded pigment leaves the body in feces, as a brown pigment called \_\_\_\_\_

11. red blood cells become crescent shaped, which don't carry oxygen as well

12. White blood cells above the normal range

13. a group of blood cancers that usually begin in the bone marrow and result in high numbers of abnormal blood cells.

15. a clot that develops and persists in an unbroken blood vessel, if it is large enough it can lead to blocking circulation, and the death of tissues in the surrounding area

16. a thrombus that breaks away from the vessel wall and floats in the bloodstream

18. The transport protein is called \_\_\_\_\_

21. hereditary bleeding disorders, includes several different variations that have slightly different causes but similar symptoms