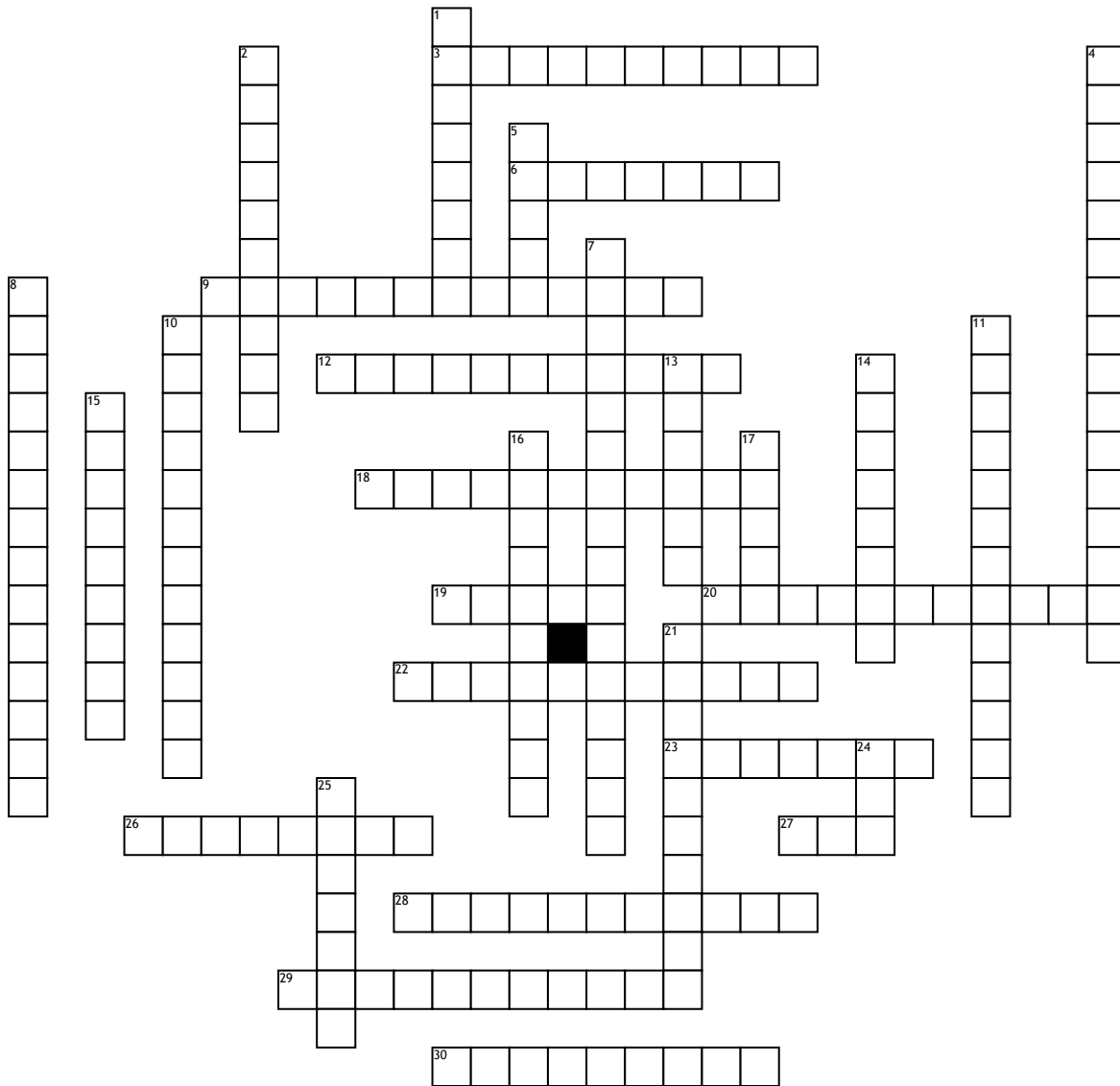


Name: \_\_\_\_\_

# What Do Vampires Cross the Sea in?



**Across**

- 3. Blood flows directly from \_\_\_\_\_ into capillary beds.
- 6. Tunica composed largely of loosely woven collagen fibers that protect and reinforce the vessel.
- 9. The difference between systolic and diastolic pressure
- 12. Shock that results from large-scale blood loss.
- 18. Metabolic control of blood flow.
- 19. Pressure wave caused by the expansion and recoil of elastic arteries.
- 20. Shock that occurs when the heart cannot sustain adequate circulation.
- 22. The vessel layer that has a direct role in vasoconstriction is the \_\_\_\_\_.
- 23. Tunica that contains the endothelium (made of simple squamous epithelium).
- 26. Lowest level of aortic pressure.
- 27. Causes blood volume and pressure to decline.

**28. Hormonal control of blood flow.**

- 29. Induces vasodilation at the capillaries to help get oxygen to tissue cells
- 30. The volume of blood flowing through a vessel, an organ, or the entire circulation in a given period.

**Down**

- 1. Type of shock that is due to poor circulation resulting from extreme vasodilation.
- 2. The vessels that exhibit the lowest level of permeability are the \_\_\_\_\_ capillaries.
- 4. Any condition in which blood vessels are inadequately filled and blood cannot circulate normally.
- 5. Up to 65% of the body's blood supply is found in \_\_\_\_\_.
- 7. Blood from the brain is returned to the heart via the.....?
- 8. A source of resistance related to the thickness, or "stickiness," of the blood.
- 10. What's the answer to the title of this worksheet?

- 11. The force per unit area exerted on a vessel wall by the contained blood
- 13. The endothelium is found in the tunica\_\_\_\_\_.
- 14. Circulation that routes blood through a long loop to all parts of the body and returns to the heart.
- 15. Circulation that is a short loop that runs from the heart to the lungs and back to the heart.
- 16. Pulse and blood pressure, along with respiratory rate and body temperature
- 17. Tunica that is mostly circularly arranged smooth muscle cells and sheets of elastin.
- 21. Opposition to flow (a measure of the amount of friction blood encounters as it passes through the vessels).
- 24. All the forces acting on a capillary bed.
- 25. Closer to the heart, arteries would be expected to have a higher percentage of what type of fiber?