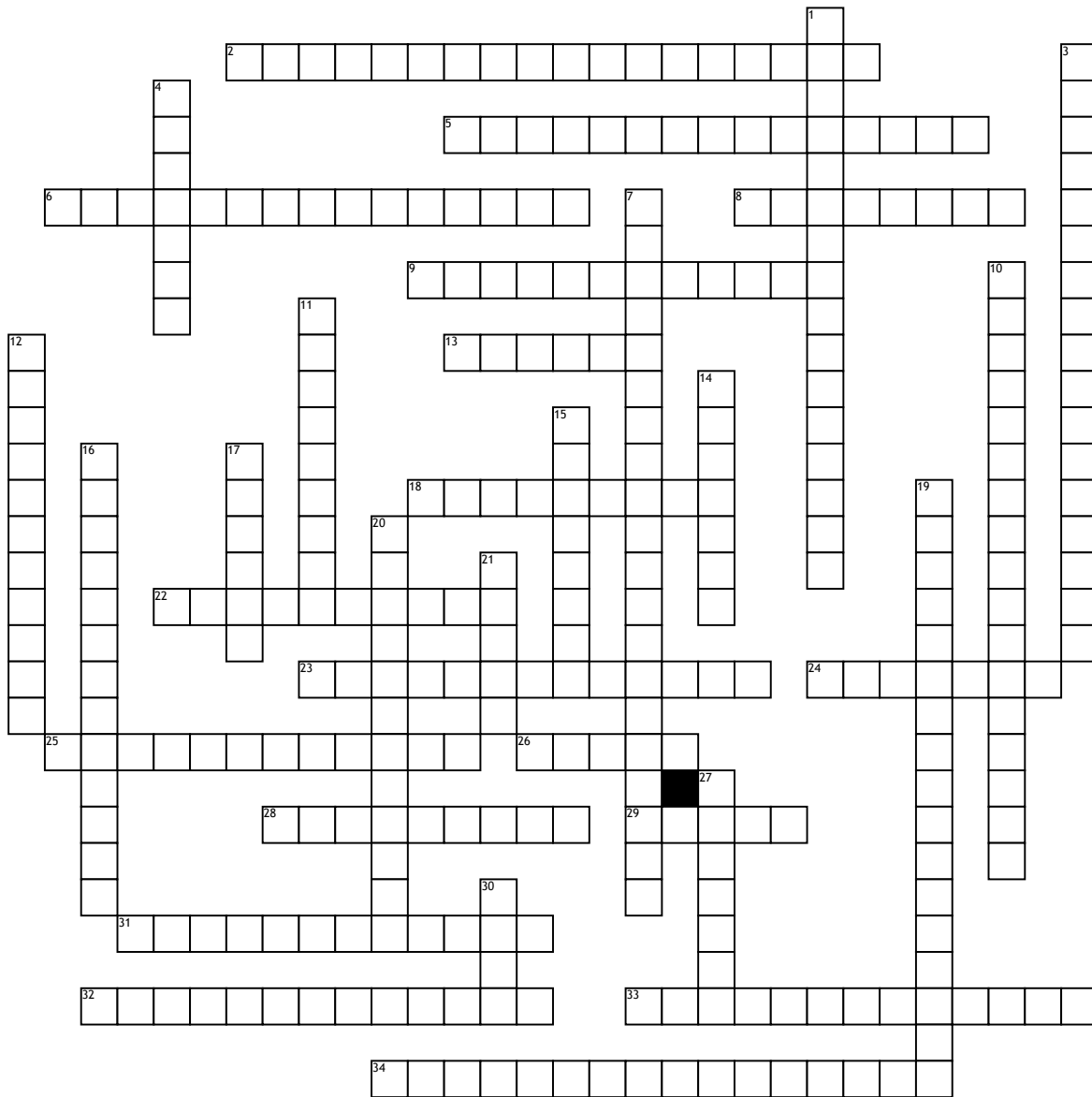


B2.2



Across

2. What sort of blood system does the earth worm have? (1, 6, 5, 6)
 5. Why do the cells that cause opening and closing of the stomata change shape? (7, 2, 6)
 6. What is the gas exchange surface of an amoeba? (3, 4, 8)
 8. What are fish's gas exchange surface? (3, 5)
 9. Do cartilaginous fish have parallel flow or counter current flow? (9, 4)
 13. Name a simple, unicellular organism? (6)
 18. What is the skeleton of cartilaginous fish made of? (9)
 22. What gives the lungs a large surface area? (3, 7)
 23. As size and specialisation increases, tissues and organs become more dependent or independent on each other? (4, 9)
 24. Where does an amoeba live? (2, 5)
 25. In bony fish, what is the name of the flap that covers the gills? (3, 9)

26. What does the mouth act as in bony fish? (1, 4)
 28. What is each gill supported by? (1, 4, 4)
 29. What is the respiratory surface in fish? (5)
 31. Give three examples of amphibians. (4, 4, 4)
 32. What are on the lamella? (3, 4, 6)
 33. What is the space between the two pleural membranes of the lungs and thorax called? (7, 6)
 34. How is water loss reduced by insects? (4, 4, 3, 5)
Down
 1. What does the closing of the stomata do? (7, 5, 4)
 3. Name three different animal exchange surfaces. (5, 5, 7)
 4. What is the respiratory surface in insects? (7)
 7. What is the disadvantage of respiratory surfaces being thin? (4, 3, 6, 7)
 10. What is the respiratory surface in mammals? (7, 2, 3, 5)

11. Is in the inner or the outer wall of guard cells thicker? (5, 4)
 12. What is the name of the gas exchange surfaces on the gill filaments? (4, 8)
 14. Along each gill arch on bony fish there are many thin plates called what? (7)
 15. What type of surface area to volume ratio do unicellular organisms have? (1, 4, 3)
 16. What is the transition of an aquatic organism to terrestrial organism called for example tadpoles to frogs? (13)
 17. What does the mouth do to force water out over the gill filaments? (6)
 19. What is the gas exchange surface for unicellular organisms? (3, 6, 8)
 20. What is in the pleural cavity? (7, 5)
 21. What does the floor of the mouth do to force water out over the gill filaments? (5)
 27. Do multicellular organisms have a high or low surface area to volume ratio? (1, 3, 3)
 30. What is the internal skeleton of bony fish made of? (4)