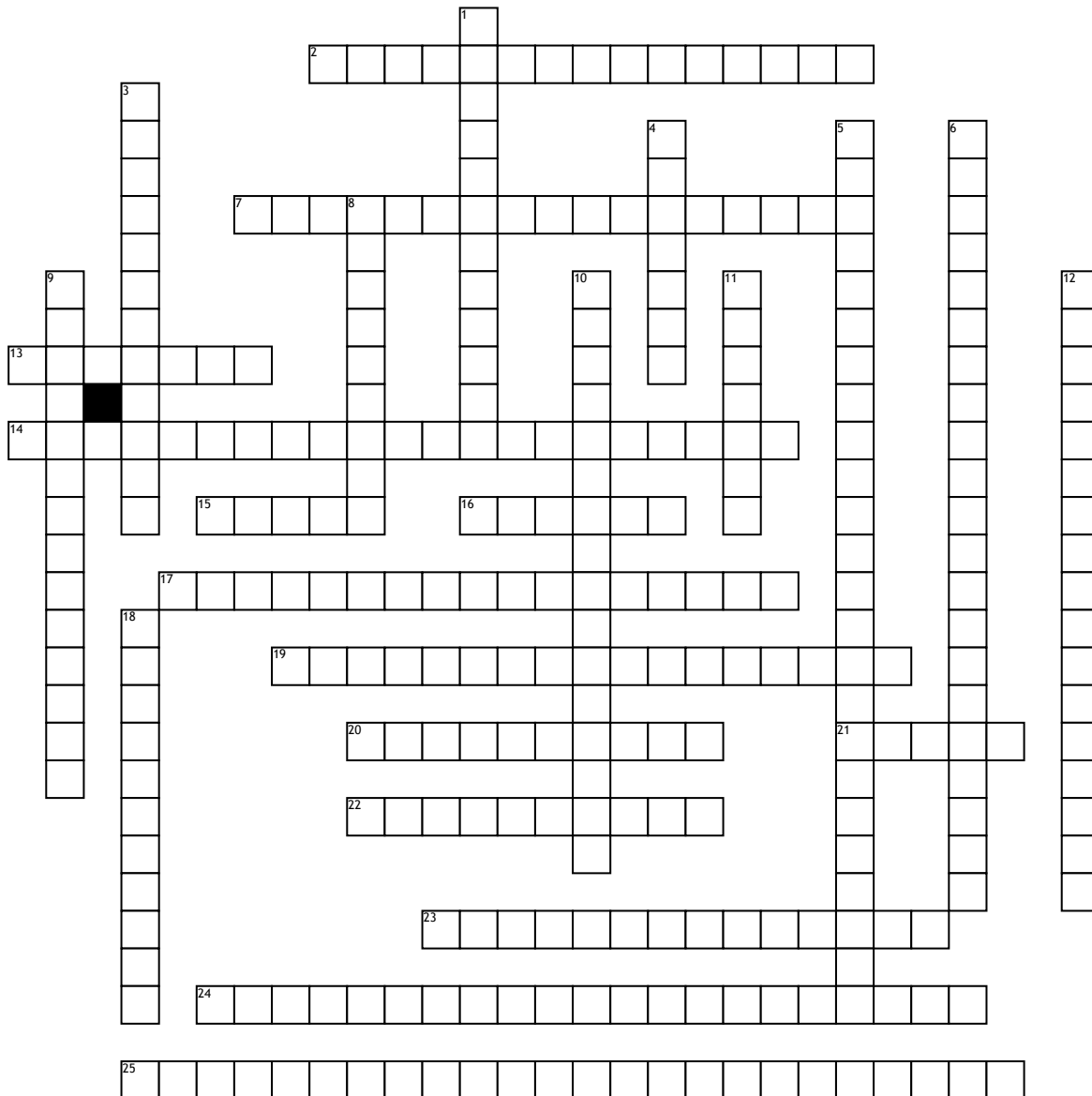


respiratory system



Across

2. Have no function in sound production.
 7. Which bronchus is wider, shorter and more vertical?
 13. Provide tremendous surface area for gas exchange.
 14. What do each main bronchus branch into?
 15. Period of breathing cessation that occurs when PCO₂ is abnormally low.
 16. Intermittent release of expired air while opening and closing the glottis.
 17. Supply systemic venous blood to be oxygenated.
 19. Provide system blood to the lung tissue.
 20. Gases exit the lungs.

21. Determined by the length and tension of the vocal cords.
 22. Folds vibrate to produce sound as air rushes up from the lungs.
 23. Carry oxygenated blood from the respiratory zones to the heart.
 24. What do each main bronchus branch into?
 25. What does each lobar bronchus branch into?
Down
 1. What does rapid, shallow breathing do?
 3. What does slow deep breathing do?
 4. What is the opening between the vocal folds?
 5. What are the two phases pulmonary ventilation consists of?

6. What two circulations are the lungs perfused by?
 8. Increase in ventilation (10 to 20 fold) in response to metabolic needs.
 9. What do bronchial veins anastomose with?
 10. Increased depth and rate of breathing that exceeds the body's need to remove CO₂. May cause cerebral vasoconstriction and cerebral ischemia.
 11. What is the primary bronchi?
 12. Provide system blood to the lung tissue.
 18. Gases flow into the lungs.