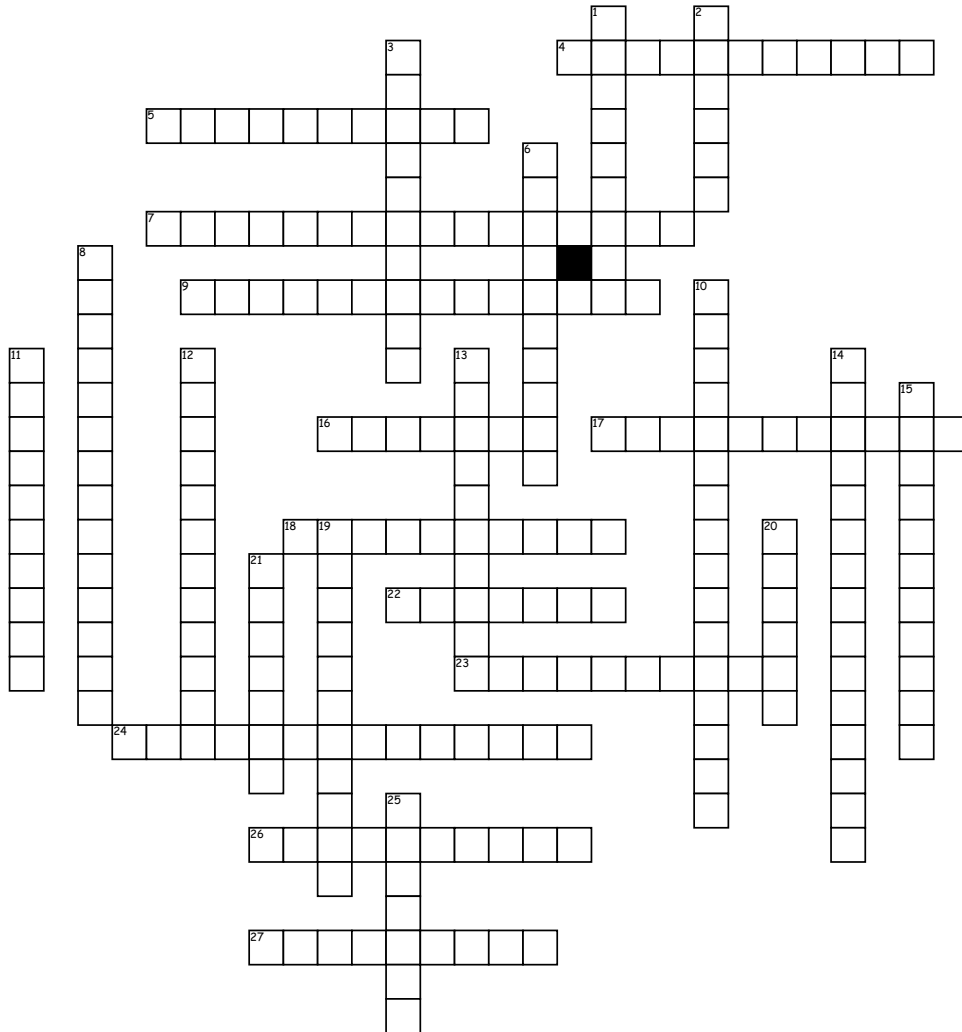


# Respiratory System



**Across**

- 4. the amount of air which enters the lungs during normal inhalation at rest
- 5. folds of membranous tissue that project inward from the sides of the larynx to form a slit across the glottis in the throat, and whose edges vibrate in the airstream to produce the voice
- 7. a large cartilage of the larynx, a projection of which forms the Adam's apple in humans
- 9. the volume of air still remaining in the lungs after the most forcible expiration possible
- 16. any of the many tiny air sacs of the lungs which allow for rapid gaseous exchange
- 17. the upper part of the pharynx, connecting with the nasal cavity above the soft palate
- 18. inflammation of the mucous membrane in the bronchial tubes
- 22. the part of the larynx consisting of the vocal cords and the slitlike opening between them

- 23. exhalation of breath
- 24. the delicate serous membrane that covers the surface of each lung
- 26. the part of the pharynx that lies between the soft palate and the hyoid bone
- 27. a condition in which the air sacs of the lungs are damaged and enlarged, causing breathlessness

**Down**

- 1. dome-shaped, muscular partition separating the thorax from the abdomen in mammals
- 2. each of a pair of serous membranes lining the thorax and enveloping the lungs in humans and other mammals
- 3. a substance that tends to reduce the surface tension of a liquid in which it is dissolved
- 6. a flap of cartilage at the root of the tongue, which is depressed during swallowing to cover the opening of the windpipe
- 8. the outer membrane which is attached to the inner surface of the thoracic cavity

- 10. the ring-shaped cartilage of the larynx
- 11. each of three thin curved shelves of bone in the sides of the nasal cavity in humans and other warm-blooded vertebrates, covered in mucous membrane
- 12. an infectious bacterial disease characterized by the growth of nodules (tubercles) in the tissues, especially the lungs
- 13. any of the minute branches into which a bronchus divides
- 14. the lower part of the pharynx lying behind or adjacent to the larynx
- 15. inhalation
- 19. the action of breathing
- 20. the hollow muscular organ forming an air passage to the lungs and holding the vocal cords in humans and other mammals; the voice box
- 21. the windpipe
- 25. the membrane-lined cavity behind the nose and mouth, connecting them to the esophagus

**Word Bank**

- |                |                   |                   |              |             |                 |
|----------------|-------------------|-------------------|--------------|-------------|-----------------|
| expiration     | pleura            | respiration       | trachea      | pharynx     | larynx          |
| vocal cords    | residual volume   | cricoid cartilage | tidal volume | epiglottis  | visceral pleura |
| turbinates     | thyroid cartilage | bronchitis        | tuberculosis | diaphragm   | bronchiole      |
| laryngopharynx | surfactant        | alveoli           | emphysema    | inspiration | parietal pleura |
| glottis        | oropharynx        | nasopharynx       |              |             |                 |