

I. Fill in the Blank: Write the correct answer in the blank

- carbon dioxide 1. The gas produced by cells is \_\_\_\_\_.
- exhale 2. You breathe out carbon dioxide and other gases when you \_\_\_\_\_.
- involuntary 3. Breathing automatically without thinking about it is \_\_\_\_\_ breathing.
- voluntary 4. Thinking about and controlling your breathing is \_\_\_\_\_ breathing.
- throat 5. The upper respiratory system consists of the nose, \_\_\_\_\_, and larynx.
- lungs 6. The lower respiratory system is from the trachea to the \_\_\_\_\_.
- tubes 7. The two \_\_\_\_\_ that branch off from the trachea are the bronchi.
- mucus  
~~mucus~~ 8. The trachea and bronchi are lined with \_\_\_\_\_ and cilia.
- oxygen 9. The lungs are two saclike organs that replace the carbon dioxide in your blood with \_\_\_\_\_.
- chest 10. The \_\_\_\_\_ muscles and the diaphragm control the movement of the lungs.
- respiration 11. Breathing is the exchange of gases called \_\_\_\_\_.

**II. Multiple Choice:** Write the letter of the correct answer in the blank.

A 12. Tiny hairlike structures that line your nasal passages and most of the respiratory system are \_\_\_\_.

- A. cilia                      B. larynx                      C. trachea

C 13. The throat is called the \_\_\_\_.

- A. epiglottis                      B. larynx                       C. pharynx

A 14. The windpipe leading to the lungs is called the \_\_\_\_.

- A. trachea                      B. esophagus                      C. epiglottis

B 15. The flap of tissue that covers the trachea when swallowing is the \_\_\_\_.

- A. cilia                       B. epiglottis                      C. vocal cords

B 16. The voice box is called the \_\_\_\_.

- A. pharynx                       B. larynx                      C. trachea

C 17. The pitch of sound is affected by the thickness and length of the \_\_\_\_.

- A. epiglottis                      B. bronchi                       C. vocal cords

B 18. The sound caused by air that cannot move freely and causes parts of the mouth and throat to vibrate and hit together is a \_\_\_\_.

- A. sneeze                       B. snore                      C. hiccup

A 19. Irritation to the lining of the airways causes air to be violently released through the nose in a \_\_\_\_.

- A. sneeze                      B. cough                      C. snore

B 20. When the diaphragm muscle contracts quickly, causing short breaths of air and sudden closure of the epiglottis, a \_\_\_\_ occurs.

- A. sneeze                       B. cough                      C. snore

III. True – False: Write “T” for True or “F” for False.

- T 21. Our breathing system is called the respiratory system.
- F 22. Every cell in your body needs carbon dioxide in order to live and function.
- T 23. You breathe in oxygen and other gases when you inhale.
- T 24. The brain controls how you breathe.
- F 25. The strong curved muscle attached below the lungs to the lower ribs and backbone is called the respiratory muscle.
- T 26. The chest muscles and the diaphragm change <sup>the</sup> space and pressure inside your body to allow you to breathe.
- T 27. During an asthma attack, a person coughs because the brochial tubes become tightened, making it difficult to breathe.
- T 28. One reason smoking is harmful is that the smoke keeps the cilia and aveoli from working properly.
- F 29. Allergies can cause a person to breathe clearly when around dust, pollen, or other particles in the air.
- F 30. When bronchi become infected, a person has pneumonia.

IV. Sequencing: Number the sentences to show the path that air takes when exhaled to create speech.

- 3 Air pushes through the vocal cords
- 1 Air goes upward from the lungs
- 2 Air goes into the trachea
- 4 The vocal cords vibrate and produce sound waves