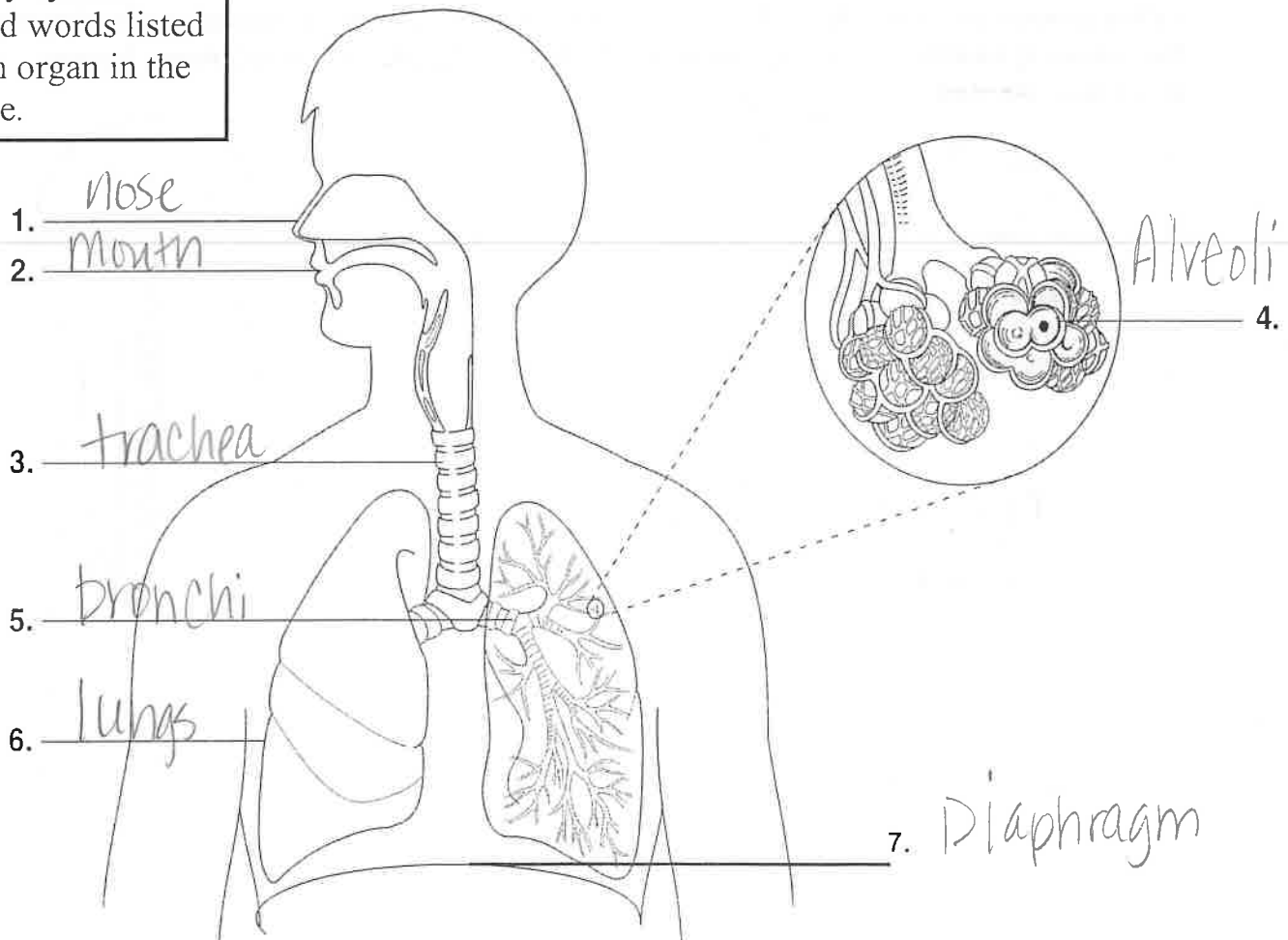


Respiratory System

The Respiratory system works very closely with the circulatory system to provide cells with oxygen and to remove carbon dioxide produced by the activities of cells. The Respiratory system brings oxygen from the outside environment into to the bloodstream and removes carbon dioxide from the blood before exhaling it back into the environment. This exchange of gases takes place in the lungs.

Air enters the **nose** or **mouth** and travels past the pharynx, down a tube called the **trachea** or windpipe. The trachea branches into two **bronchi** before entering the main organ of the respiratory system, the **lungs**. The exchange of oxygen and carbon dioxide occurs in tiny air sacs called **alveoli** which are located on the bronchioles. Air is carried in and out of the lungs when the **diaphragm**, a muscle located beneath the lungs, expands and contracts.

Label the organs of the respiratory system using bold words listed after each organ in the text above.



System Review

Match each term in **Column B** with its description in **Column A**. Write the letter of the correct term in the space provided.

Column A	
<u>D</u>	1. main organs of the respiratory system
<u>E</u>	2. waste products of respiration
<u>A</u>	3. microscopic air sacs in the lungs
<u>C</u>	4. Its job is to take oxygen into the lungs and get rid of carbon dioxide and water.
<u>G</u>	5. windpipe
<u>B</u>	6. tubes leading to the lungs
<u>F</u>	7. organ located on top of the trachea that contains the vocal chords

Column B
a. alveoli
b. bronchi
c. respiratory system
d. lungs
e. carbon dioxide and water
f. larynx
g. trachea

Skill Challenge

In the spaces provided, label the parts of the respiratory system shown in the diagram. Use the following labels: ~~mouth~~, ~~nasal cavity~~, ~~right lung~~, ~~epiglottis~~, ~~throat~~, ~~nose~~, ~~larynx~~, ~~bronchus~~, ~~trachea~~, and ~~left lung~~.

1. nasal cavity
2. nose
3. mouth
4. larynx
5. epiglottis
6. throat
7. Trachea
8. bronchus
9. right lung
left lung
10. _____

