

1. Describe the two primary functions of the respiratory system. Be specific and descriptive and write in complete sentences. This will require research. (2 marks)

1.

2.

2. The main organs of the respiratory system are listed in the word bank below. Correctly label these organs in the following two diagrams of the respiratory system.

Note: Organs from the word bank can be used more than once.

- | | | | |
|------------------|--------------|---------------|----------------|
| • alveoli | • diaphragm | • left lung | • nasal cavity |
| • left bronchus | • epiglottis | • right lung | • pharynx |
| • right bronchus | • larynx | • oral cavity | • trachea |
| • bronchioles | | | |

Diagram #1:

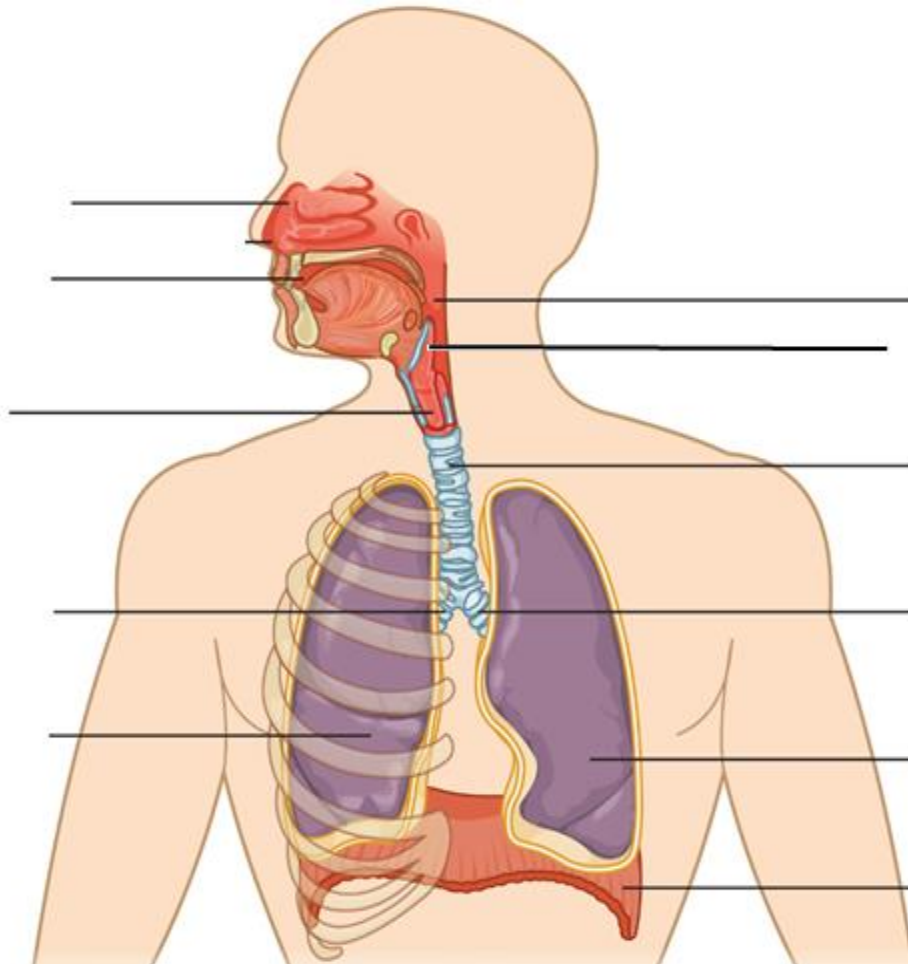
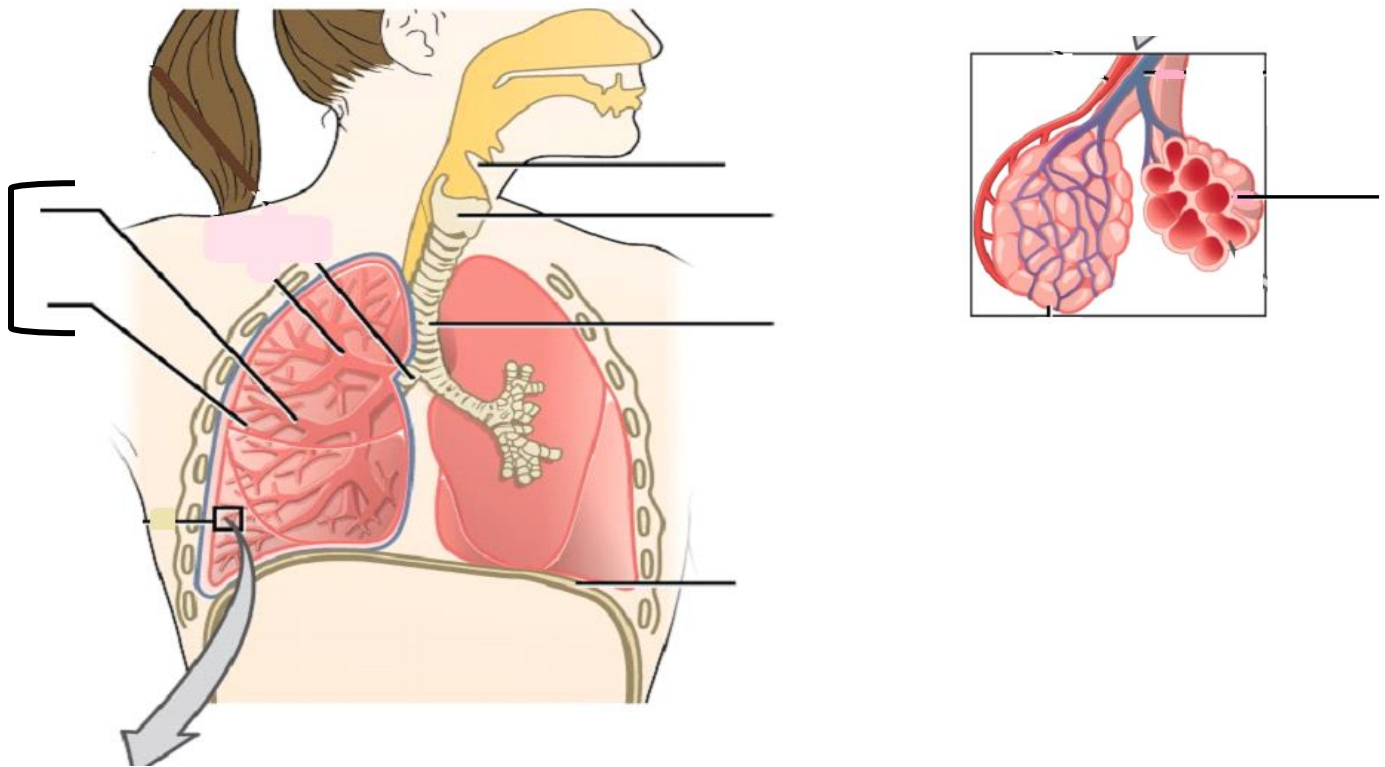


Diagram #2:



3. Match each organ of the respiratory system with the correct function and description. This will require research. (9 marks)

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|--------------------|---|
| _____ Nasal cavity | A. Contains two bands of tissue (vocal cords) that vibrate when air passes through to produce sound. Also called the voice box. |
| _____ Pharynx | B. The two tubes that branch from the trachea and allow inhaled air to enter both lungs. |
| _____ Larynx | C. Covers the entrance to the larynx during swallowing to prevent food and liquid from entering the trachea. |
| _____ Epiglottis | D. The band of muscle found below the lungs that contracts and relaxes during breathing. |
| _____ Trachea | E. Hollow space behind the nose lined with cilia and mucus that warms, moistens, and filters air particles. |
| _____ Bronchi | F. Air sacs found at the ends of the bronchioles. Where gas exchange takes place. |
| _____ Bronchioles | G. The tube that allows inhaled air to enter the lower respiratory tract. Also called the windpipe. |
| _____ Alveoli | H. Smaller tubes found inside the lungs that bring inhaled air to the alveoli. |
| _____ Diaphragm | I. Area where both inhaled air and swallowed food passes through. Also known as the throat. |