

# Year 9 - The Respiratory System Revision

Unscramble the letters of each of these words (Structures found within the respiratory system).

- oilhbncr      ANSWER: \_\_\_\_\_
- Sloihcbrneo      ANSWER: \_\_\_\_\_
- Usgln      ANSWER: \_\_\_\_\_
- Sirb      ANSWER: \_\_\_\_\_
- Eilvaol      ANSWER: \_\_\_\_\_
- Rachtae      ANSWER: \_\_\_\_\_
- Ghprmiada      ANSWER: \_\_\_\_\_

## Mechanism of Breathing

Complete table below to describe the mechanism of breathing.

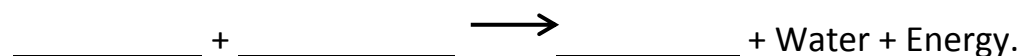
	Inhalation	Exhalation
Intercostal Muscles		
Diaphragm	Contracts (Flattens)	Relaxes (Dome Shaped)
Ribs		
Volume		
Pressure		
Direction of Air Flow	Air rushes in.	

It is important to remember that respiration is **NOT** breathing. Breathing is the process of taking air into and out of the lungs.

## Respiration

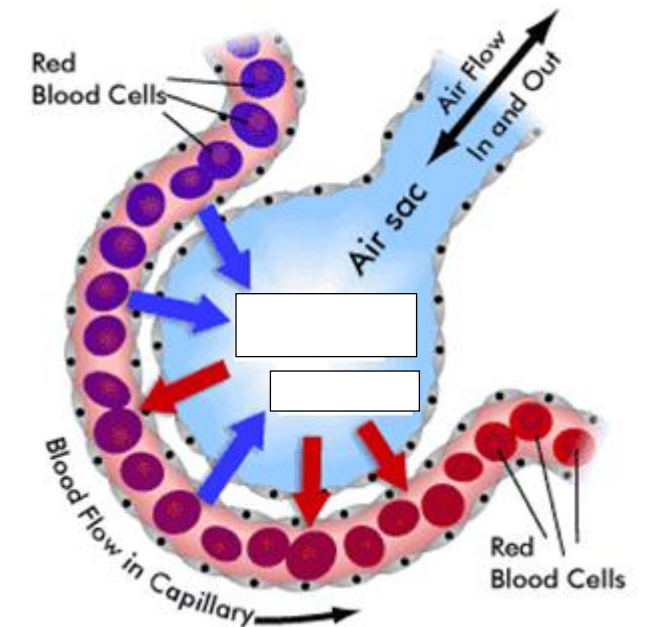
Respiration is the reaction that occurs in all cells. Respiration is the breakdown of glucose to release energy.

*Complete the equation for respiration below.*



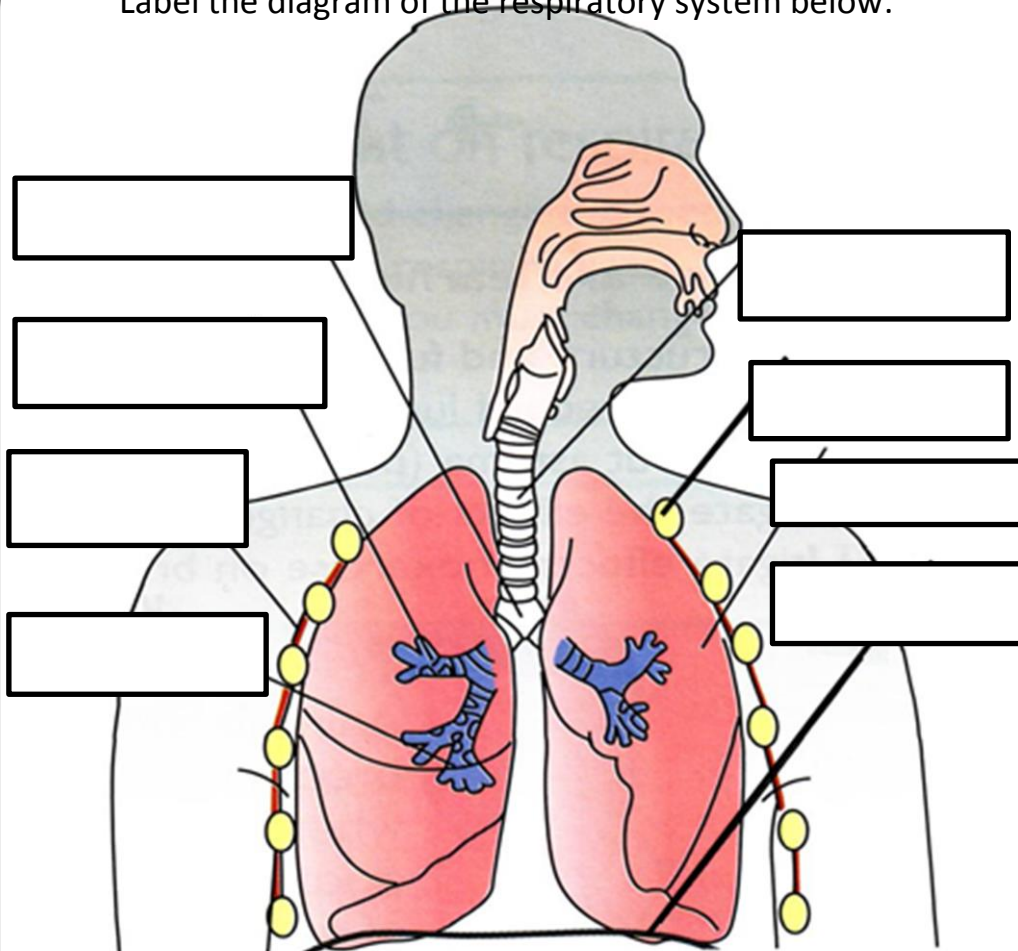
## Gas Exchange

Complete the diagram of the alveolus below.



## The Structure of the Respiratory System.

Label the diagram of the respiratory system below:



We need to get **oxygen** from the air into the blood, and we need to remove waste **carbon dioxide** from the blood into the air. Swapping of these gases is called \_\_\_\_\_.

## Asthma

Asthma affects the small airways (bronchioles) that carry air in and out of the lungs.

If you have asthma, the bronchioles can constrict rapidly and become narrow. They can also become inflamed and mucous filled, making it difficult for air to move through.

Name three symptoms of Asthma.

- 1.
- 2.
- 3.

List some triggers that can cause an asthma attack.