**November Notes: Day 5 The Respiratory System**

Name: Period: Date:

**Aim: What is the Respiratory System and why is it important for maintaining Homeostasis?**

**DO NOW: Describe what you think happens when you are choking.**

**What is the respiratory system?**

* The respiratory system has main :
  + Take from the outside ( )
  + To get of from the inside ( )

**The parts of the respiratory system**

* The respiratory system extends from the to the .
* It begins in the head where and through the and .
* Once the air passes through the mouth, it enters the (the back of the ).
* Once passed the pharynx, the air enter a (stiff) tube called the .
* The trachea is made up of which makes it .
* The trachea is with and . This helps to keep material out of the .
* Foreign material to the mucus and the cilia pushes the material up into your pharynx where you can it up or it.
* At the end of the trachea, it slips into two separate tubes called the
* The bronchi enters a soft, organ called the
* Once in the lungs, the further reduce (get smaller) and branch into .
* At the end of the bronchioles there are a cluster of called .
* The is the place where occurs.

**The alveoli**

* The alveoli is a walled chamber that is by
* This is where exchange from outside the body to the inside the body and vise versa.
* This process is possible because of the different of gases inside and outside the body.

**How do we breathe?**

* The do not have .
* The lungs are in a chamber ( )
* The is a that and causing the cavity it and , which makes the lungs and .

**One way in, one way out**

* Because the respiratory system only has entrance and exit point, anything the pathway will gas exchange ( ).
* Since cannot reach the , no can go into the .
* If gets into the , the body cell will not be able to perform in the .

**What happens when we exercise?**

* When you , your body more.
* Because your body is harder, it needs more .
* Because the body needs to for energy ( ), you start to breath .
* Because you need the , your heart faster.
* As the glucose is converted into , is released.
* This is into the
* The blood brings the to the .
* The is expelled as you

