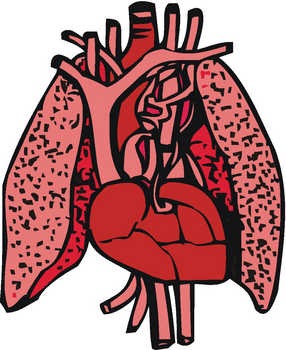
**2.3 THE CIRCULATORY AND RESPIRATORY Systems**

**(PART 2) Name:**

**Date:**

**Block:**

**(Refer to pp. 90 – 95 of BC Science 8)**

**The Respiratory System**

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* **respiratory system**: the body system that supplies blood with \_\_\_\_\_\_\_\_\_\_\_\_\_ and removes \_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_ from the blood.



* The two **\_\_\_\_\_\_\_\_\_\_** are important organs in this system
  + - They bring in oxygen for \_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_



* + - They \_\_\_\_\_\_\_\_\_\_\_\_\_\_ carbon dioxide.



* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is the process that brings oxygen into your nose or mouth.
* When you inhale, air is filtered by tiny hairs called **\_\_\_\_\_\_\_\_\_\_**.

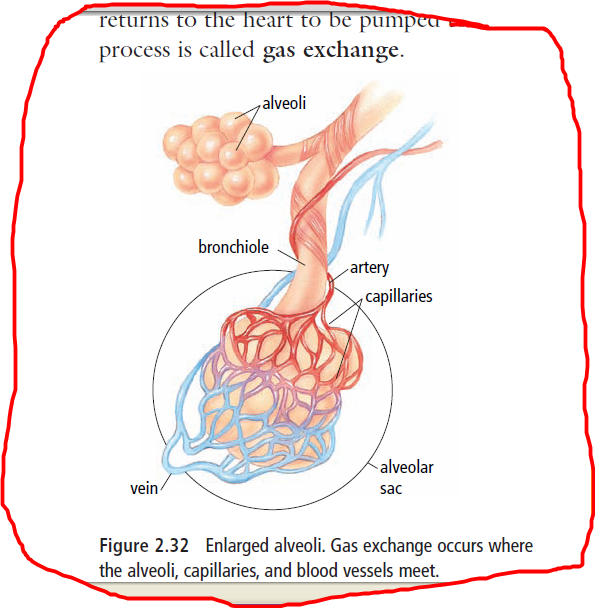


* + - Cilia and mucus \_\_\_\_\_\_\_ dirt and other particles.
    - The particles are either pushed back out the \_\_\_\_\_\_\_\_\_\_\_\_\_ or flushed down into the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ system.



* Air passes through your **\_\_\_\_\_\_\_\_\_** (voice box) and continues down your **\_\_\_\_\_\_\_\_\_\_** towards your lungs.



* At the base of the trachea are two tubes called **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**.



* Bronchi branch into smaller air tubes called **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**.

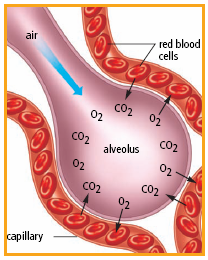


* Finally, the air reaches tiny, thin-walled sacs called **\_\_\_\_\_\_\_\_\_\_\_\_\_**.



**Gas Exchange in the Alveoli**



*  There are millions of alveoli at the ends of the bronchioles, and this is where **\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** takes place.



* + - Oxygen and carbon dioxide move back and forth between the \_\_\_\_\_\_\_\_\_\_ and the surrounding \_\_\_\_\_\_\_\_\_ \_\_\_\_Capillaries \_\_\_\_\_\_\_\_\_\_.



**Smoking**



* Smoking may cause both \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ disease and \_\_\_\_\_\_\_\_\_\_\_\_ disease.



* Respiratory diseases could include \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_.



* + Emphysema causes the alveoli walls to lose their \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. This may make breathing very difficult.



* Smoking also destroys the \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_ in your respiratory system.

**SUMMARY:**