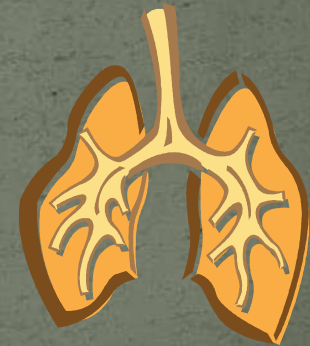
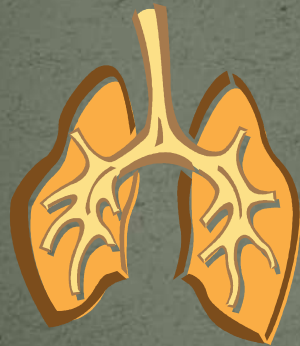


# Chapter 3 – Human Body Systems

## Lesson 3 – The Respiratory System



# What does the respiratory system do?

- **Breathing is the job of this system.**
- **This system takes oxygen from the air and brings it to your cells.**

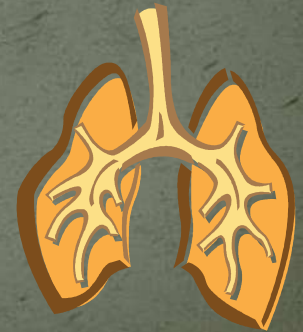


# What does the respiratory system do?

- The **diaphragm** muscle helps you breathe in.

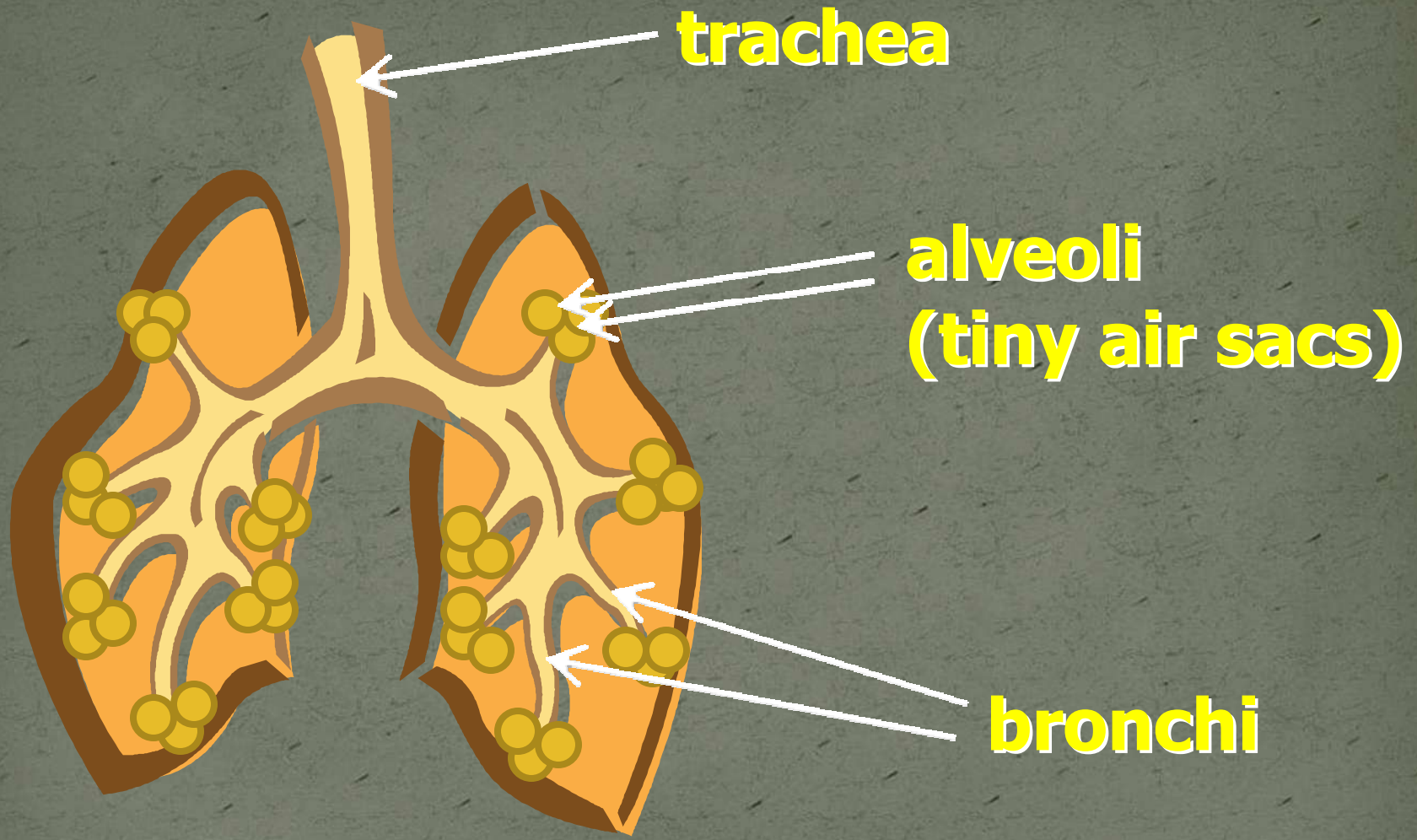


- Air enters the **lungs**, the main organ of this system.



# What does the respiratory system do?

- **In the lungs:**
  - **oxygen passes into the blood.**
  - **The blood drops off carbon dioxide into the lungs.**
- **The diaphragm then helps you breathe out to get rid of carbon dioxide.**



**trachea**

**alveoli  
(tiny air sacs)**

**bronchi**

# Where does gas exchange take place?

- When you breathe in, air moves through a tube called the **trachea** into smaller tubes called **bronchi**.
- The bronchi lead to tiny air sacs called **alveoli**.
- Tiny blood vessels called **capillaries** surround the alveoli.

# Where does gas exchange take place?

- In the alveoli, oxygen and carbon dioxide are exchanged through the capillaries.

Oxygen  
moves  
out and  
into the  
blood



Carbon  
dioxide  
moves  
into the  
alveoli

# How does respiration happen in animal cells?

- **Blood carries oxygen and sugar to your cells.**
- **Your cells release carbon dioxide and water back into the blood.**



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