THE RESPIRATORY SYSTEM
TAKE A DEEP BREATH!

Be able to:
1. Identify the parts of the respiratory system.
2. Explain the function of the parts of the respiratory system.
1. Mouth and Nose
2. Throat
3. Voice Box
4. Trachea
5. Bronchial Tube
6. Lung
7. Bronchiole Tubes
8. Alveoli
9. Diaphragm
The Respiratory System
1. What is the respiratory system?

• the system that **takes in** air,
• **takes in the oxygen** that you need to live, and
• **gets rid of the carbon dioxide**.
2A – Mouth and Nose

• Air enters through the mouth and nose.
• You inhale fresh air about 20 times a minute.
• Nasal passages clean the air by filtering out particles.
• Mucus is so sticky, it capture unwanted stuff in the air.
2B. Epiglottis

A flap that covers over the trachea to prevent food and liquid from entering. Protects against choking.
2C. Throat

• The entrance to the lungs and stomach start here
2D. Trachea

- Windpipe
- Directs air toward the lungs.
2E. Voice Box

- Also called the Larynx
- The area where sound is created.
2F. Lungs

- Pink spongy organs.
- Left lung is a little smaller than your right one-heart.
- Fill up most of the space in your ribcage.
2G. Bronchial Tubes

- 2 tubes that branch out from the trachea.
2
dashed line

Bronchiole Tubes

- Smaller branches of the bronchial tubes.
- You have about 1,500 miles of airway tubing!
2H. Diaphragm

- Large muscle
- Controls breathing
2I. Alveoli

- Tiny sacs at the very end of the bronchial tubes
- Oxygen & Carbon Dioxide transfer here.
- There are about 300 million of these!
Diaphragm
3C ASTHMA

• ASTHMA
3C - ASTHMA

- **Asthma** is a disorder that causes the airways of the lungs to swell and narrow.
  - causes wheezing,
  - shortness of breath,
  - chest tightness, and
  - coughing.
Asthma Triggers

- Smoke
- Strong emotions
- Colds
- Exercise
- Pollen
- Changes in the weather
- Cockroaches
- Mold & mildew
- Food allergies
- Cold weather
- Strong smells
- Dust
3D - EMPHYSEMA

- Caused by smoking
- Tar builds up in the lungs
- Lungs lose elasticity.
- Alveoli fill with tar.
3 – LUNG CANCER

- Abnormal growth of cells in the lungs.
How can you keep your Respiratory System Health??
Keeping the Respiratory System Healthy!

• Keep your environment clean!
• Avoid smoking!
Keeping the Respiratory System Healthy!

• Avoid second hand smoke!
Keeping the Respiratory System Healthy!

- If you have allergies or asthma - Avoid your TRIGGERS!!
Keeping the Respiratory System Healthy!

- Exercise!