Objective

• SWBAT relate organs in the respiratory system to their functions.
Functions of the Respiratory System

• Provides the body with oxygen
• Removes carbon dioxide from the blood
• (Helps the body exchange gases!)
Check For Understanding

Which of the following is a function of the respiratory system?

A. It provides oxygen to the body.
B. It breaks down food.
C. It gives the body its shape.
D. It makes you sweat.
Nose

- Where air enters the body
- Filters out dust and other particles
Trachea

- Tube that carries air from the throat to the lungs
- If food goes down the trachea instead of the esophagus, you can choke.
Check For Understanding

Which of the following correctly describes a difference between the trachea and esophagus?
A. The esophagus carries air; the trachea carries food.
B. The esophagus is part of the respiratory system; the trachea is part of the digestive system.
C. The esophagus carries food; the trachea carries air.
D. The esophagus digests food chemically; the trachea digests food mechanically.
Lungs

• The place where oxygen moves into the blood stream
Smoking causes fatal lung cancer
Diaphragm

• Muscle that helps lungs breathe
• Moves down/contracts to inhale
• Moves up/expands to exhale
Check For Understanding

Which of the following correctly describes the diaphragm?

A. It moves oxygen into the blood stream.
B. It filters out dust particles from air.
C. It carries air from the nose to the lungs.
D. It makes it possible for lungs to inhale and exhale air.
Alveoli

- Sacs of air in lungs where oxygen and carbon dioxide are exchanged
- Oxygen enters blood vessels; carbon dioxide leaves blood and enters alveoli