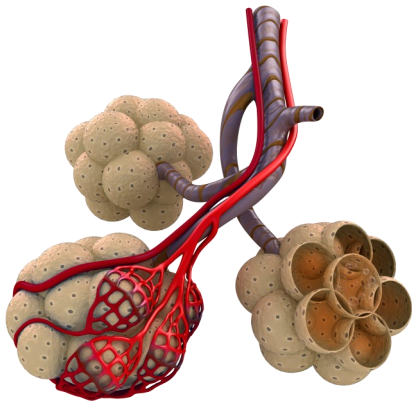




DENVER MUSEUM OF NATURE & SCIENCE

Grades
6-8



NAME

Virtual Lung Journal

Respiratory System

Label the parts:

Nose/Mouth

Lungs

Trachea

Bronchioles

Bronchi

Diaphragm



What is one thing you want to remember about the dissection?

What do you still wonder about the respiratory system?

Float Test



Check box if you predict the item will float or sink.

Check box if you observed the item float or sink.

	Prediction		Result	
	Float	Sink	Floated	Sank
Cartilage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Muscle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lung	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

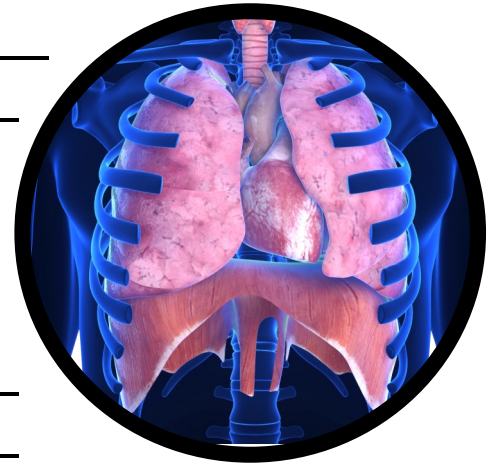
What did you learn about the lungs from this activity?

Heart/Lung Connection

What are your observations of your breathing while you sit?

Predict how your breathing will change after a minute of exercise.

What are your observations of your breathing after a minute of exercise?



Why does your breathing need to change when asleep, at rest, or during/after exercise?

Airways



Which tube would make the best trachea? Circle one:

Plastic Tube

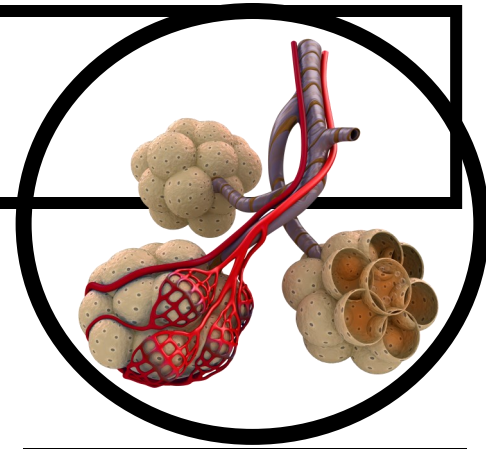
Vacuum Tube

Draw what the bronchi and bronchioles look like in the lungs.



How does cartilage help the trachea, bronchi & bronchioles? _____

Alveoli

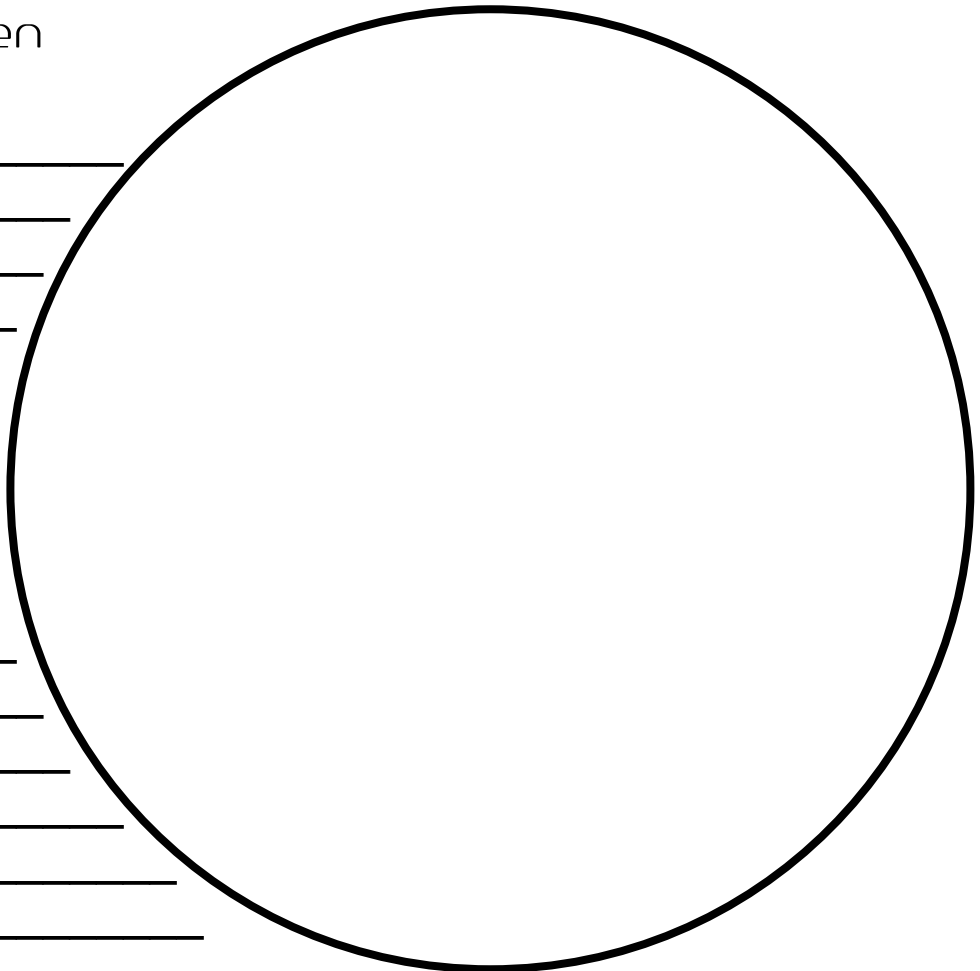


What does the balloon represent in the body?

What does the red net represent in the body?

Alveoli surrounded by capillary blood vessels.

How do you think oxygen gets into the blood?



Draw a single alveolus and capillaries and show the path of oxygen and carbon dioxide.



Fun Fact: About, how many alveoli total are there in the lungs of an average human? _____

Respiratory System

Why do you think it's important to study the respiratory system? _____

What is the job or function of the respiratory system (how does it keep you alive)? _____

Thoughts & Observations

Use this space to write down anything else you observed or want to remember. _____

