Respiratory System

Label the parts:
- Nose/Mouth
- Bronchioles
- Lungs
- Bronchi
- Trachea
- 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.

<table>
<thead>
<tr>
<th></th>
<th>Prediction</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Float</td>
<td>floated</td>
</tr>
<tr>
<td></td>
<td>Sink</td>
<td>Sank</td>
</tr>
<tr>
<td>Cartilage</td>
<td></td>
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<tr>
<td>Muscle</td>
<td></td>
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<tr>
<td>Lung</td>
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</tbody>
</table>

What did you learn about the lungs from this activity?
________________________________________________________________________
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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.__________________________________

__________________________________________

__________________________________________

__________________________________________

__________________________________________

__________________________________________