Unscramble the letters of each of these words (Structures found within the respiratory system).

1. oilhbncr ANSWER: ____________
2. Sloihcbnreo ANSWER: ____________
3. Usgn ANSWER: ____________
4. Sirb ANSWER: ____________
5. Eilvaol ANSWER: ____________
6. Rachtan ANSWER: ____________
7. Ghpmniada ANSWER: ____________

The Structure of the Respiratory System.
Label the diagram of the respiratory system below:

Mechanism of Breathing
Complete table below to describe the mechanism of breathing.

<table>
<thead>
<tr>
<th></th>
<th>Inhalation</th>
<th>Exhalation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intercostal Muscles</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Diaphragm</td>
<td>Contracts (Flattens)</td>
<td>Relaxes (Dome Shaped)</td>
</tr>
<tr>
<td>Ribs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Volume</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pressure</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Direction of Air Flow</td>
<td>Air rushes in.</td>
<td></td>
</tr>
</tbody>
</table>

It is important to remember that respiration is NOT breathing. Breathing is the process of taking air into and out of the lungs.

Gas Exchange
Complete the diagram of the alveolus below.

Respiration
Respiration is the reaction that occurs in all cells. Respiration is the breakdown of glucose to release energy.

\[ \text{Glucose} + \text{Oxygen} \rightarrow \text{Carbon Dioxide} + \text{Water} + \text{Energy} \]

Asthma
Asthma affects the small airways (bronchioles) that carry air in and out of the lungs.
If you have asthma, the bronchioles can constrict rapidly and become narrow. They can also become inflamed and mucous filled, making it difficult for air to move through.

Name three symptoms of Asthma.
1. ____________
2. ____________
3. ____________

List some triggers that can cause an asthma attack.

- ____________
- ____________
- ____________