Matter and Energy Transfer Study Guide

Instructions: Fill in each statement with the correct word from the word bank. Each word is only used once and all words are used.

1. Matter is made up of ______________________. Examples of matter include ______________, ______________, ______________, and ______________.
2. Energy is not matter. Energy is what organisms get from food that allows them to ______________ things. Energy transfers the capacity to complete everyday behaviors, like ______________, ______________, ______________, and ______________.
3. When referring to how matter and energy move through an ecosystem, matter ______________ and energy ______________.
4. ______________ takes up space, has mass, and can be captured in a balloon or bag. ______________ does not take up space, has no mass, and has no physical form.
5. Matter that is not food, such as water, air, and decomposed materials in soil, is changed by ______________ into matter that is food.
6. Organisms obtain food, water, and gases from the environment and release ______________, such as pee, poop, heat, sweat, drool, and carbon dioxide, back into the environment.
7. ______________ break down waste into the soil.

Word Bank:

<table>
<thead>
<tr>
<th>Wood</th>
<th>Cycles</th>
<th>Growing</th>
<th>Flows</th>
<th>Matter</th>
<th>Decomposers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Energy</td>
<td>Water</td>
<td>Plants</td>
<td>Bones</td>
<td>Air</td>
<td>Moving</td>
</tr>
<tr>
<td>Reproducing</td>
<td>Atoms</td>
<td>Do</td>
<td>Waste</td>
<td>Breathing</td>
<td></td>
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</tbody>
</table>