States of Matter
Grades: 3-5

<table>
<thead>
<tr>
<th>Objectives</th>
<th>Students will:</th>
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<tbody>
<tr>
<td></td>
<td>1. Observe the different properties of each state of matter</td>
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<td></td>
<td>2. Be able to categorize substances into the three states of matter</td>
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<table>
<thead>
<tr>
<th>Materials</th>
<th>-Shaving cream</th>
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<tbody>
<tr>
<td></td>
<td>-Rubber ball</td>
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<tr>
<td></td>
<td>-Water</td>
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<tr>
<td></td>
<td>-Sugar</td>
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<td>-Styrofoam</td>
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| Procedures | 1. First explain to the students FluidSurveys and how it works. Have the students create an account. |
|           | 2. Explain to students that there are three types of matter: solid, liquid, and gas. |
|           | 3. Ask students to come up with a few different properties to observe |
|           | 4. Allow students to walk around and observe and record the properties of each of the materials. |
|           | 5. Instruct students to put findings of different properties in FluidSurveys and compile a visual representation of the properties and state of matter of each substance. |
|           | 6. Once data is entered, ask students to compare and contrasts each of the different materials |
|           | 7. Based on the data, draw conclusions on the properties of various states of matter |

| Assessment | Students will go home and record the properties of 5 additional materials. Based on those observations, students will determine if it is a solid, liquid, or gas. The students will also be instructed to write a short summary of what they have learned. |

1 http://www.lessonplanspage.com/ScienceGasLiquidSolidStudentEnactment38.htm