Fuel Mystery Dis-Solved Activity – Fuel Analysis Worksheet – 3rd Grade

Test 1 – Solid Tablet with Cold Water

What happened to the fuel? ____________________________________________
What happened to the water? ___________________________________________

Time: ______________

Test 2 – Crushed Tablet with Cold Water

What happened to the fuel? ____________________________________________
What happened to the water? ___________________________________________

Time: ______________

Test 3 – Solid Tablet with Hot Water

What happened to the fuel? ____________________________________________
What happened to the water? ___________________________________________

Time: ______________

Test 4 – Crushed Tablet with Hot Water

What happened to the fuel? ____________________________________________
What happened to the water? ___________________________________________

Time: ______________

Test 5 – Solid Tablet with Vinegar

What happened to the fuel? ____________________________________________
What happened to the water? ___________________________________________

Time: ______________
Test 6 – Crushed Tablet with Vinegar

What happened to the fuel? __________________________________________
What happened to the water? __________________________________________

Time: ______________

Make a bar graph of your results!
Color in the boxes from left to right until you have reached your recorded time.

<table>
<thead>
<tr>
<th>Test 1: Solid/cold</th>
<th>10sec</th>
<th>20sec</th>
<th>30sec</th>
<th>40sec</th>
<th>50sec</th>
<th>1 min</th>
<th>1 min 10sec</th>
<th>1 min 20sec</th>
<th>1 min 30sec</th>
<th>1 min 40sec</th>
<th>1 min 50sec</th>
<th>2 min</th>
</tr>
</thead>
<tbody>
<tr>
<td>Test 2: crush/cold</td>
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<td>Test 3: Solid/hot</td>
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<td>Test 4: Crush/hot</td>
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<td>Test 5: Solid/vinegar</td>
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<tr>
<td>Test 6: Crush/vinegar</td>
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</table>

Final Question

How would stirring the water affect the dissolving antacid? Why would engineers need to know this?

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