

<b>Activity #2</b>	Identifying the elements in water
<b>Time</b>	20 mins
<b>Materials</b>	<ul style="list-style-type: none"> <li>• Material 1 – Atom building kit</li> <li>• Material 2 – journals</li> <li>• Material 3 - pencils</li> </ul>
<b>Guiding Questions</b>	
A. Question 1 – What elements are in water?	
<b>Plan</b>	
<ul style="list-style-type: none"> <li>• <b>Plans for part 1 of activity</b> <ul style="list-style-type: none"> <li>○ The students will brainstorm all of the different things they have heard water called. If no student thinks of H<sub>2</sub>O, the teacher will guide them to it.</li> <li>○ The students will be asked what they think it means; where have they seen letters as symbols like that.</li> <li>○ The students will identify hydrogen and oxygen.</li> <li>○ The students will work in groups of 3 to make two H models and one O model.</li> <li>○ They will save these models for the next day.</li> <li>○ <b>Guiding Questions to ask during this part of the activity:</b> <ul style="list-style-type: none"> <li>▪ <i>What does H stand for? O?</i></li> <li>▪ <i>How can we model water?</i></li> </ul> </li> <li>○ <b>Anticipated Student Responses to guiding questions:</b> <ul style="list-style-type: none"> <li>▪ <i>Hydrogen, Oxygen</i></li> <li>▪ <i>Build Hydrogen and Oxygen</i></li> </ul> </li> </ul> </li> <li>• <b>Plans for part 2 of activity</b> <ul style="list-style-type: none"> <li>○ Students will wrap up by writing facts they learned about atoms and elements on post-its and posting them on a designated spot on the wall</li> <li>○ <b>Guiding Questions to ask during this part of the activity:</b> <ul style="list-style-type: none"> <li>▪ <i>What have you learned about atoms and elements?</i></li> </ul> </li> <li>○ <b>Anticipated Student Responses to guiding questions:</b> <ul style="list-style-type: none"> <li>▪ <i>Various responses</i></li> </ul> </li> </ul> </li> </ul>	
<b>Differentiation</b>	<ul style="list-style-type: none"> <li>• Strategy 1 - small groups</li> <li>• Strategy 2 - manipulatives</li> </ul>
<b>ELL Modification</b>	<ul style="list-style-type: none"> <li>• Modification 1- steps for building displayed in 1, 2, 3 order</li> <li>• Modification 2 – visual representations used with instructions</li> </ul>
<b>Check for Understanding</b>	The students will be assessed based on their models and the facts they write on the post-its.