

Activities	
<b>#1</b>	Follow up on phase change activity.
<b>Time</b>	Approximate time to complete this activity 25 min.
<b>Materials</b>	<ul style="list-style-type: none"> <li>• Material 1 - journals</li> <li>• Material 2 - pencils</li> <li>• Material 3 - camera</li> <li>• Material 4 - scales</li> <li>• Material 5 – design brief</li> <li>• Material 6 – all materials listed in design brief (sand, paper, screens, rocks, straws, coffee filters)</li> <li>• Material 7 – funnels</li> <li>• Material 8 – various containers</li> </ul>
<b>Guiding Questions</b>	
A. Question 1 – How can you build an environmentally friendly filter to clean 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>○ Students will design and build a filter to clean water.</li> <li>○ Students will use their design brief to guide them.</li> <li>○ The students will consider the environmental ramifications for their designs (does it require outside energy? Is it reusable? Etc.).</li> <li>○ <b>Guiding Questions to ask during this part of the activity:</b> <ul style="list-style-type: none"> <li>▪ <i>Is it effective?</i></li> <li>▪ <i>How do you know?</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 group work</li> <li>• Strategy 2 – technology used to aid in the collection of observations</li> </ul>
<b>ELL Modification</b>	<ul style="list-style-type: none"> <li>• Modification 1 – steps for collecting observations 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 through the filter they build.