	Lesson Plan Day 8 – How Can We Clean Water?	
Level 3 Question(s) Addressed:		
• How can we use our knowledge of phase changes to clean water?		
Date(s) Day 8		
Content Standard(s): NOS	Aspects	
 5.4b - the effect of temperature on the phases of matter 5.4e - mixtures including solutions 	 Tenet 1 - The natural world is understandable. Tenet 2 - Science uses a blend of logic and imagination. 	
Student Objective(s) for this lesson:		
1. Objective 1 – Understand the similarities and differences between mixtures and solutions.		
 Objective 2 – Explore ways to separate solutions. 		
Misconceptions to address in this lesson:		
A. Misconception 1 – A solution is a type of mixture not a compound.		
B. Misconception 2 – Solutions can be separated into their original compounds.		
C. Misconception 3 – Dissolving is a not chemical process.		
Safety Concerns in this lesson:		
• Safety 1 – Spillage of water, creating a slipping hazard.		