


**Table 3.8:** Predicted and observed conductivity of solutions

#	Solvent Liquid	Solute (solid dissolved)	Relative amount of solvent dissolved (all, some or none)	Predicted Conductivity	Predicted Observation	Actual Observation	Inferred Conductivity
1	Distilled water	Salt					
2	Distilled water	Sugar					
3	Distilled water	Starch					
5	Alcohol	Salt					
6	Alcohol	Sugar					
7	Alcohol	Starch					
9	Oil	Salt					
10	Oil	Sugar					
11	Oil	Starch					

**Table 3.7.** Predicted and observed conductivity of liquids

#	Liquid	Predicted Conductivity	Predicted Observation	Actual Observation	Inferred Conductivity
1	Distilled water				
2	Tap water				
3	Salt water				
4	Vegetable oil				
5					
6					