

Materials:

Melting lab	Crystal Crush & Conductance lab
<ul style="list-style-type: none">• Goggles• Two Bunsen burners• Gram scale• Salt: 1g• Sugar: 1g• Unknown 1 & 2 : 1g each• Four small test-tubes• Test-tube tongs• Two stop watches	<ul style="list-style-type: none">• Goggles• Water: 50 ml• Salt: 1g• Sugar: 1g• Unknown 1 & 2 : 1g each• Stirring rod, scupula• Two 200 ml beakers• Four petri dishes foil-lined• Two stop watches• One circuit tester

Melting Lab Procedure:

1. Put goggles on. Measure out 1 g of salt and place in a test tube. Place equal amount of sugar and unknowns in test tubes.
2. Using tongs, heat the test tube of salt over the flame of the Bunsen burner. **CAUTION: observe all safety precautions when using a Bunsen burner.** Determine how long it takes for the salt to melt. Immediately stop heating when (or if) melting begins. Record the time in data table. Do the same for Sugar and the Unknowns. **Clean up station!**

Substance	Time: seconds
Salt	∞ never!
Sugar	6.6 seconds
Unknown 1	∞ never!
Unknown 2	13 seconds