

Chapter 8: Sugar



FoodMASTER

Food, Math, and Science Teaching Enhancement Resource
Supported by NIH Science Education Partnership Award (SEPA)





Food Explorations Lab I: Sweet Saccharide

Lab I: Sweet Saccharides



[Getting started... What to Expect in Lab I](#)

Lab I: Sweet Saccharides



3 Unknown Samples

Lab I: Sweet Saccharides



Glucose concentration of the control is 0.

Lab I: Sweet Saccharides



Glucose concentration of Sample A at 30 seconds.

Lab I: Sweet Saccharides



Glucose concentration of Sample B at 30 seconds.

Lab I: Sweet Saccharides



Glucose concentration of Sample C at 30 seconds.

Lab I: Sweet Saccharides

Unknown A

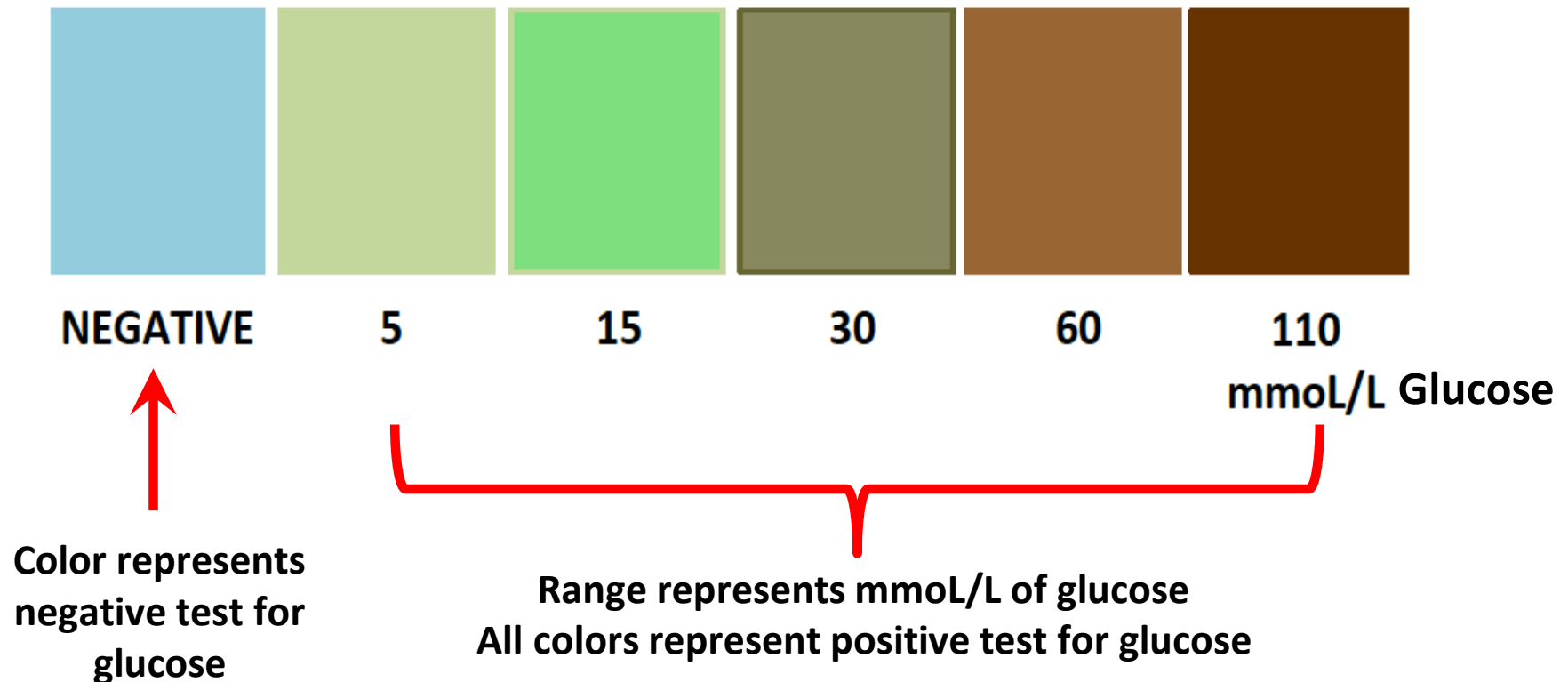
Unknown B



Glucose concentration comparison past 30 seconds (strips will continue to brown).

Lab I: Sweet Saccharides

Glucose Reference Color Chart





Food Explorations Lab II: Super Solutions

Lab II: Super Solutions



Teacher Demonstration

Lab II: Super Solutions



Getting started... What to Expect in Lab II

Lab II: Super Solutions



Create a super-saturated solution.

Lab II: Super Solutions



Saturated Solution



Natural Juice