

Student Worksheet

Data Table

	Vinegar	Iodine Starch Indicator	Water	Heat
Powdered Salt				
Powdered Sugar				
Baking Soda				
Corn Starch				
Unknown # _____				

Post-Lab Questions

1. Based on your observations and the data recorded in the Data Table, what is the composition of your unknown? *Hint:* The unknown powder may be any combination of the four powders. Why do you believe this?
2. In what practical situations would the identity of a powder need to be determined?
3. List other methods one might use to differentiate these or other similar-looking powders.