**Vocabulary:** **Mystery Powder Analysis**



**Vocabulary**

* Biuret solution – a blue solution that turns bright purple in the presence of proteins.
* Iodine solution – a solution that turns dark purple in the presence of starch.
* Litmus paper – an indicator paper that shows whether a solution is an acid or a base. *Litmus* is a chemical that is extracted from certain species of lichens.
	+ In an acid, both strips of litmus paper will turn red.
	+ In a base, both strips of litmus paper will turn blue.
	+ In a neutral solution, the red strip of litmus paper will remain red, and the blue strip will remain blue.
* Vinegar – a fermented liquid with a sour taste that contains acetic acid.
	+ Vinegar will bubble when exposed to a powdered carbonate such as baking soda (NaHCO3). The bubbles are carbon dioxide (CO2).