



## 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 ( $\text{NaHCO}_3$ ). The bubbles are carbon dioxide ( $\text{CO}_2$ ).

