

## Goldenrod Paper as an Indicator

### Instructions

#### Materials:

Aqueous ammonia,  $\text{NH}_3$  (aq)

Acetic acid,  $\text{HC}_2\text{H}_3\text{O}_2$  (aq)

Goldenrod paper cut into strips

Medicine dropper

#### Demo Procedure:

1. Dip a piece of goldenrod paper in ammonia and it turns red.
2. Dip a piece of goldenrod paper in acetic acid and there is no change in the paper color.
3. Dip a piece of goldenrod paper in ammonia, which turns red. Using the same piece of paper dip it in acetic acid to demonstrate how the paper turns back to yellow, behaving like an indicator paper.