

43.5: Analysis

1. Compare your observations with what other teams observed. Decide as a team whether to change any of your recorded answers.
2. Use the following scale for the universal indicator to assign pH values to your solutions in the *changing colors* experiment. Record what you think the pH value was for each pour.

Table 43.5.1: Scale for the universal indicator to assign pH values

Red	Pink	Orange	Yellow	Green	Blue	Purple
1	3	5	6	8	12	14

Table 43.5.2: pH value for each pour

Stage of Experiment	pH
1st Beaker added to 2nd Beaker	
2nd Beaker added to 3rd Beaker	
3rd Beaker added to 4th Beaker	

3. What is the evidence that chemical reactions were taking place during these processes?
4. State any errors that may have resulted in the wrong color(s) being observed.

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