

## 43.2: Introduction

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When two substances chemically react, a new substance is produced. One indication that a new substance has been produced is a color change. The universal indicator is a chemical that changes color in the presence of certain levels of acids and bases. *Acids turn the indicator red, pink, orange, and yellow, while bases turn the indicator green, blue, and purple (fuchsia).* The purple color may look more like a deeper pink, as compared to the pink you will see when the solution is acidic. Phenolphthalein solution is also an acid/base indicator; however, this substance will only change color in the presence of a base.

### Contributors and Attributions

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