

45.2: Introduction

Acids contribute hydrogen ions (H^+) into a solution during a chemical reaction, making them **proton donors**. Bases contribute hydroxide ions (OH^-) into a solution during a chemical reaction or bond with a proton making them **proton accepters**. Phenol solution turns yellow in acidic solutions and remains red in basic solutions. There are many indicators that a chemical reaction has occurred, including color change.

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