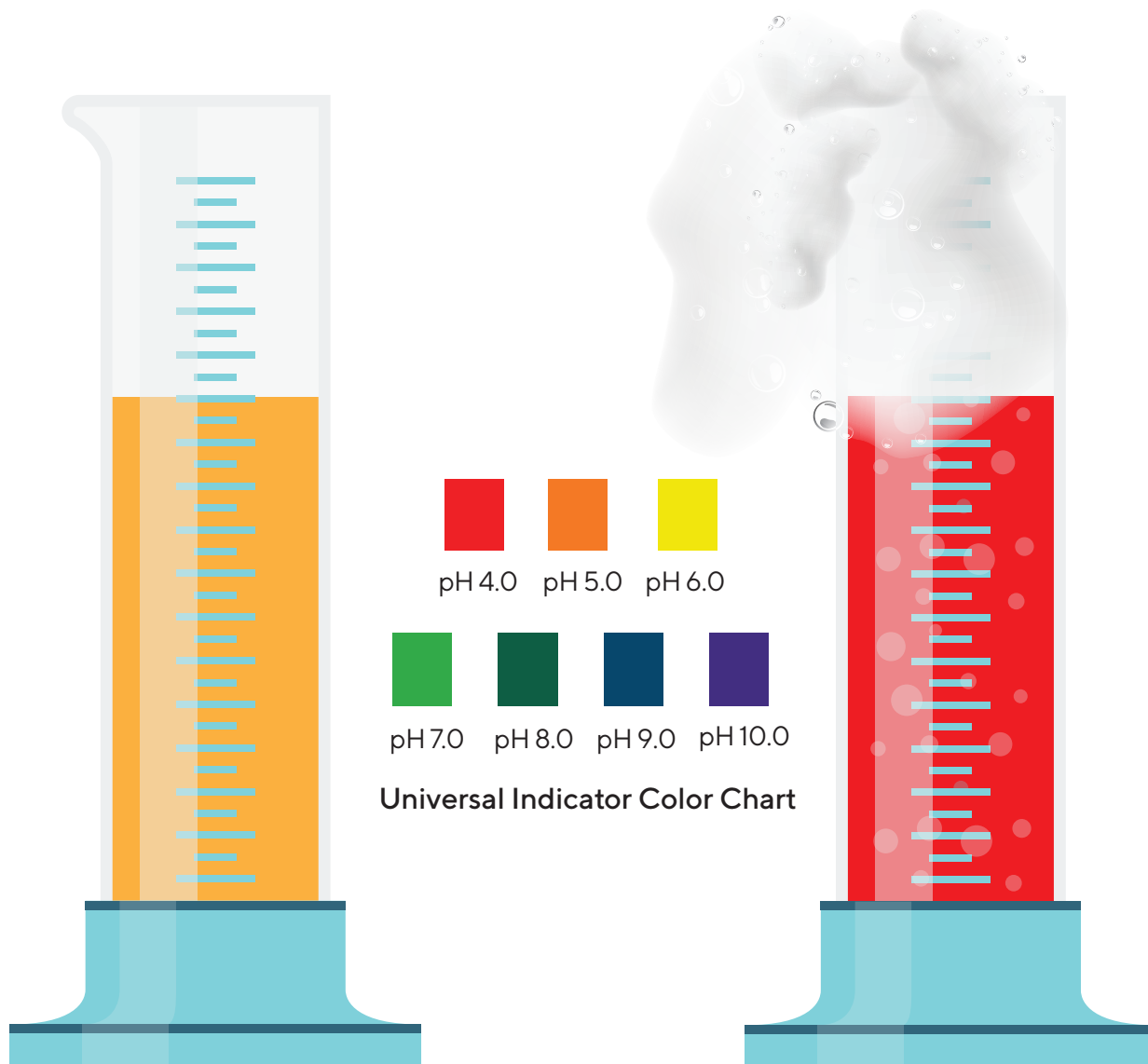


Acids and Bases

The pH Scale



The graduated cylinder has distilled water and universal indicator in it. Current color shows the **pH** around **5.5**

Solid **carbon dioxide** (dry ice) is added. The CO_2 dissolves and reacts to form carbonic acid. This lowers the pH of the solution as shown by the color change of the universal indicator. The **pH** is now around **4.0**