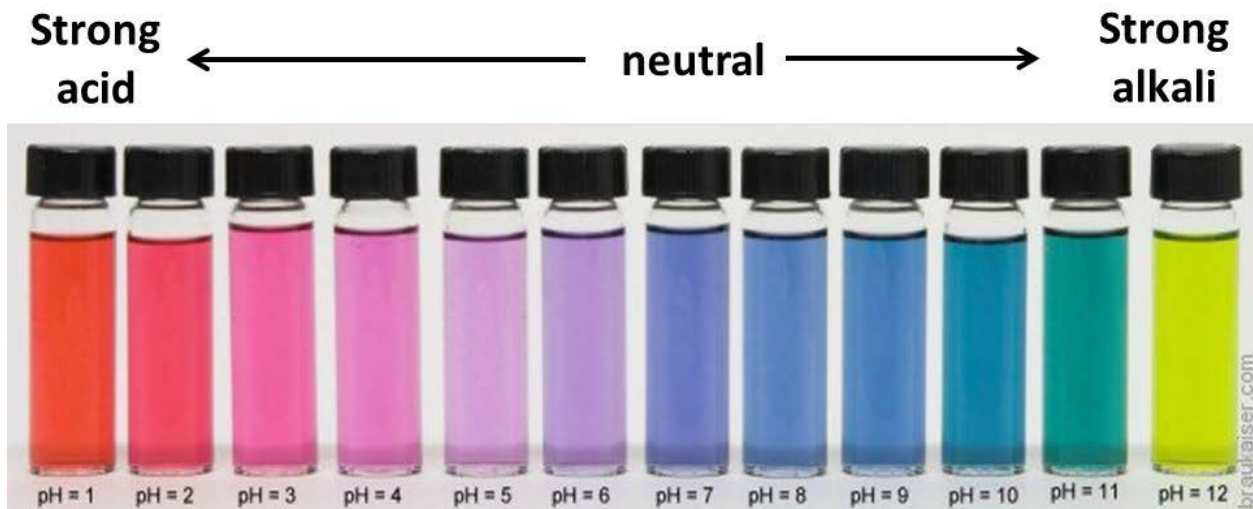


Ocean Acidification in a Cup

Materials: glass, straw, *red cabbage juice indicator (powder or liquid), pH scale

- 1) Fill your glass with seawater.
- 2) Add one eyedropper of cabbage juice pH indicator.
- 3) Swirl glass to mix.
- 4) Hold your glass up to the white background and estimate the pH compared to the color scale.
- 5) Using a straw, blow bubbles into the seawater until you see the color change. You're adding CO₂ to simulate emissions!
- 6) Measure the new pH.

Red Cabbage pH scale



*You can buy red cabbage juice indicator or try to make your own. To make your own, boil a few red cabbage leaves in 1-2 cups water; allow it to cool, then strain.