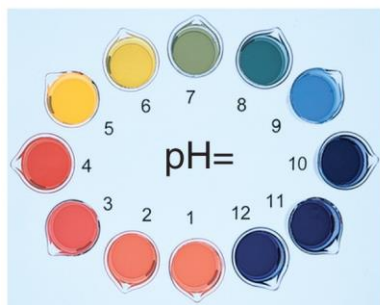


Your Chem30A lab draw contains litmus paper which can indicate:

- $\text{pH} < 7$ (**acidic**) when blue paper turns red
- $\text{pH} > 7$ (**basic**) when red paper turns blue

Other commercially available pH test strip kits break the pH scale (1 to 14) into smaller increments. These **litmus tests** are based on a water soluble mixture of various dyes extracted from lichens onto filter paper and dried.



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(a)



(b)

In experiment #24, you will make a color indicator for pH using **red cabbage**, instead of litmus. Our indicators will be aqueous.

