

### Acids, Basics, and the pH Scale

- 1) An acid is a substance that provides \_\_\_\_\_ ( $H^+$ ) ions in water.
- 2) A base is a substance that provides \_\_\_\_\_ ( $OH^-$ ) ions in water.
- 3) A neutral solution has a pH of \_\_\_\_\_.
- 4) Acids have a pH range of \_\_\_\_\_.
- 5) Bases have a pH range of \_\_\_\_\_.

Solution	Prediction (acid, base or neutral)	Cabbage juice color after adding solution	Actual pH	Result (acid, base, or neutral)
cabbage juice		-----		
water				
vinegar				
laundry soap				
baking soda				
diluted bleach				

- 6) What type of solutions do we most commonly ingest? acids or bases
- 7) What type of solutions are commonly used as cleaners? acids or bases