

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				
dish soap or laundry soap				
baking soda				
lemon or lime juice				
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