

# WarmUp 3/8/11

# WarmUps 3/1/11-3/4/11

An Alien Spaceship crashes leaving the space traveler frustrated and **HUNGRY!** The strange alien being must **EAT!** He finds and eats the following items:

A banana  
A tomato  
A bar of soap  
He washes it down with with a nice glass of vinegar!  
He gets a stomach ache and comes to see you, Dr. Ion.  
You must diagnose him!



## The acid/base files

Dr. Ion's notes:

Consumed:           pH   Acid or base?

Banana

Tomato

Soap

Vinegar

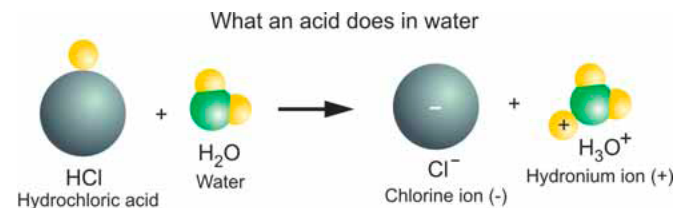
I predict Hydronium Being's stomach will be **Acidic** or **Basic** because....

What would the pH in his stomach be?

Neutralization (pg. 192-194). What would he need to neutralize extra acid in stomach?

## 3/1/11: PROPERTIES OF ACIDS

- They taste sour (**Never taste acids in the science lab!**).
- They turn litmus & universal indicator **red**
- Acids react with metals (they form **H<sub>2</sub> gas** )
- Acids can be **Corrosive** (eat away metals, etc.)
- All acids form **hydronium ions (H<sup>+</sup>)** when mixed in **water**.



3/2/11 Read page 188-189 with your partner:

- A)    Acids turn litmus \_\_\_\_\_.
- B)    Bases turn litmus \_\_\_\_\_.

## 3/4/11: Properties of Bases:

- They taste bitter (**Never taste bases in the science lab!**).
- They turn litmus paper & universal indicator **blue**.
- They feel slippery.
- Bases can also be **Corrosive** (eat away metals, etc.)
- All bases form hydroxide ions (OH<sup>-</sup>) in water**.