

UNIT 3

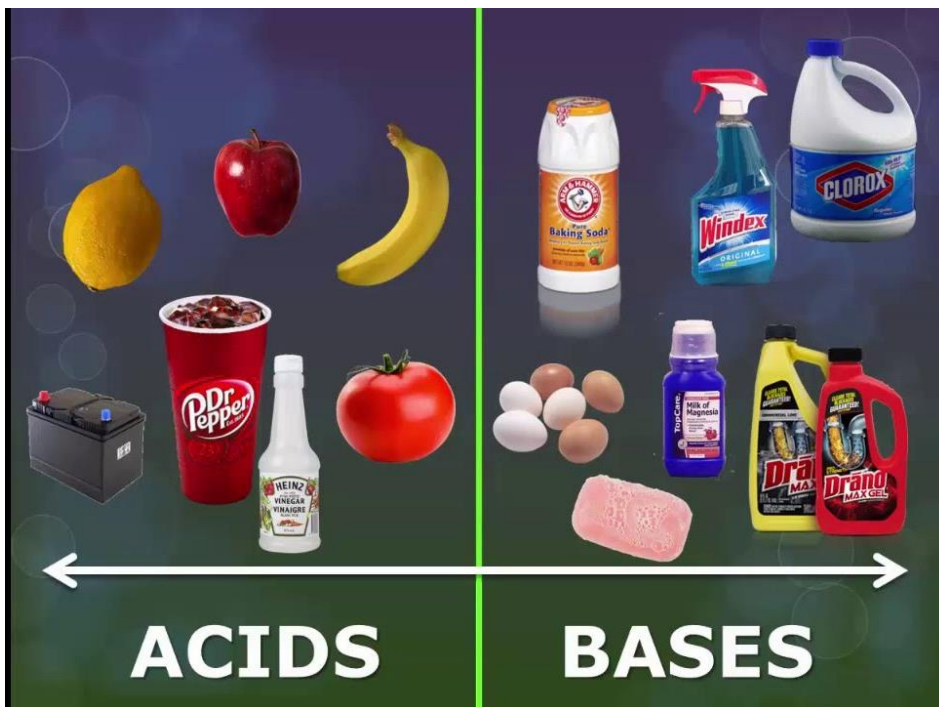
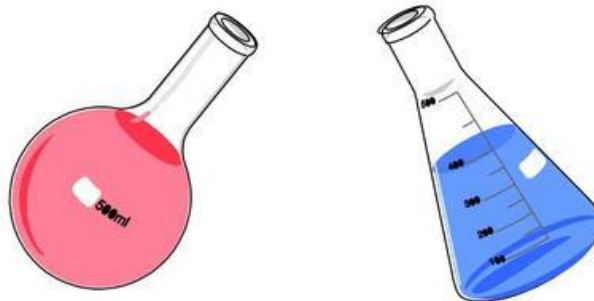
1) ACID & BASES

The document consists of 6 pages. I will give a detailed explanation of what to do for each page. When I use the word 'page' refer to the pdf document of the worksheet. When I use the word 'slide', refer to the PowerPoint presentation.

You can use the PowerPoint as an extra resource as it has pictures and examples.

Please ensure you write the date, heading and underline both before taking down the notes.

ACIDS AND BASES

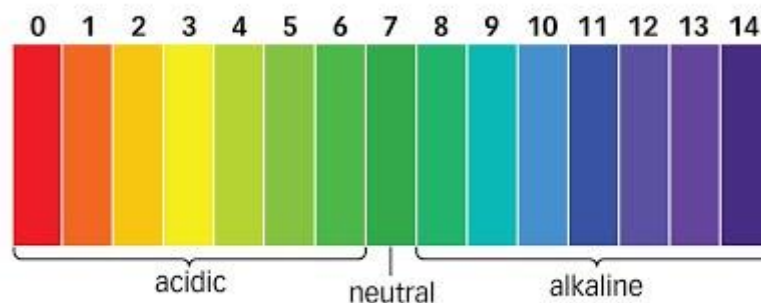


WEEK 4

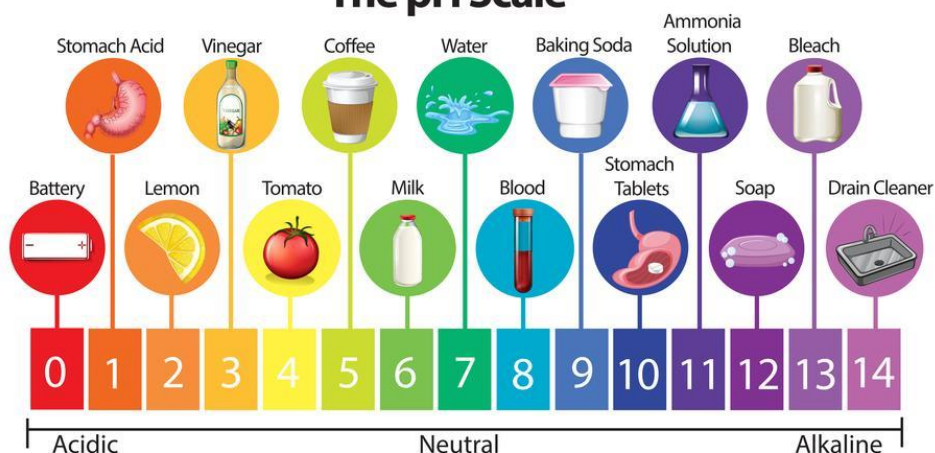
Page 1 (unit 1 taste of substances)

Key concepts:

- Neutral substance
- pH scale- a measure of how strong an acid/base is
(0-6 indicates an acid)
(7 indicates neutral)
(8-14 indicates a base)
(The closer the number to neutral; 6 & 8 indicates a weak acid and base)
(The further the number from neutral; 0 & 14 indicates a strong acid and base)



The pH Scale



Page 2 (properties of acids and properties of base)

Key concept:

- properties of an acid:

- sour taste
- rough feel
- corrosive
- properties of a base:
 - bitter taste
 - slippery feel
 - corrosive
- alkaline (a base that is soluble in water)

WEEK 5

Page 3 (acid – base indicators)

Key concepts:

- litmus paper

	Red litmus	Blue litmus
ACIDIC SOLUTION	Stays red	Turns red
NEUTRAL SOLUTION	Stays red	Stays blue
ALKALINE SOLUTION	Turns blue	Stays blue

Page 4(classroom activity 2)

Complete classroom activity 2 and the extra practice activity.

Litmus
Paper



Litmus Paper turns Red when dipped in an **Acidic** Solution

Litmus Paper turns Blue when dipped in an **Alkaline** Solution