

NAME: _____ DATE: _____

BIOLOGY : ACID & ALKALIS



which image has acid properties :

which image has neutral properties :

which image has alkali properties :

Contains H^+
(hydrogen) ions

pH less than 7

Turns red litmus to blue

ACID

ALKALI

Contains OH^- ions
(hydroxide)

It tastes bitter

It tastes sour

Larutan	pH (Perkiraan)	Sifat (Asam/Basa/Netral)	litmus indicator
sulfuric acid (H_2SO_4)			
Sodium hydroxide (NaOH)			
Hydrochloric acid (HCl)			
sugar solution ($C_{12}H_{22}O_{11}$).			
Ammonia (NH_3)			

BIOLOGY : HAZARD & PH SCALE

(Flammable)

(Toxic)

(Harmful/Irritant)

(Explosive)

(Biohazard)

(Environmental hazard)



No	Simbol	Makna
1	☠ Tengkorak dan tulang	
2	🔥 Api	
3	Tanda seru	
4	💣 Bom meledak	
5	🌿 Botol tumpah ke tangan	

pH	Warna Indikator Universal	Sifat Larutan
1		
5		
7		
9		
13		

pH	Sifat Larutan
pH < 7	
pH = 7	
pH > 7	