

**BAHRIA COLLEGE**

**ISLAMABAD**

**Zafar campus**

**WORK SHEETS**

**GENERAL SCIENCE**

**CLASS 8<sup>th</sup>**

**PREPARED BY**

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## SECOND TERM SYLLABUS

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# UNIT NO: 4

## SOLVED WORK SHEET

### SECTION A

#### Multiple- Choice questions

**QNO1: Choose the most suitable answer given below:-**

1. Pine apple, and bee sting contains:  
A- Acid      B- Base      C-Buffer      D-Alkali
2. Soap, detergents contain:  
A- Acid      B- Base      C- Alkali      D- Buffers
3. Which metal do not corrode with acid.  
A- Gold      B- Zinc      C- Iron      D- Copper
4. Acid turns blue litmus colour.  
A- Red      B- Green      C- Yellow      D- Blue
5. The red litmus with base turns.  
A- Blue      B- Red      C- Orange      D- Green
6. The PH scale range is:  
A- 0-12      B- 0-14      C- 0-13      D- 0-10
7. PH value of digestive juice in stomach is:  
A- 1      B-2      C-3      D-4
8. Neutralization reaction is that which produce:-  
A- Acid      B- Base      C- Salt      D- Alkali
9. Universal indicator is used to measure:  
A- PH values      B- Acidity      C- Bascicity      D- Both B&C

10. Phenolphthalein and methyl orange are:

A- Indicator    B- Acid    C- Basic    D- Alkali

## SECTION B

### QNO2: Short Question answer:

(1) How the purity of pure gold is verified?

The gold is dipped in to an acid solution .pure gold remains un marked but the other metals will corrode in acid solution.

(2) Why sulphuric acid is used in car batteries?

Sulphuric is used in car batteries because it is a good electrical conductors so it produce energy to start a car.

(3) What is the function of HCL in stomach?

HCL in our stomach help to digest food and also kill bacteria so it place an important role in our digestion.

(4) Why hair colour looks dull after use of strong alkalis soap and shampoo?

This is because strong alkalis are corrosive and can cause bleaching so our hair colour looks dull.

(5) Write any three properties of acids?

1-All acids have sour taste

2- Acid turns blue litmus.

3-The solution of acids are good electrical conductor .

(6) Mention any three properties of alkalis?

1- All alkalis have a bitter taste .

2- Alkalis turn red litmus paper blue.

3- Alkalis are good electrical conductor.

## SECTION C

**QNO3:-Write formula of any three acids given below:**

NAME OF ACID	FORMULA
Hydrochloric acid	HCl
Nitric acid	HNO <sub>3</sub>
Sulphuric acid	H <sub>2</sub> SO <sub>4</sub>

**QNO4:- Write formula of any three bases given below:**

NAME OF BASE	FORMULA
Sodium hydroxide	NaOH
Potassium hydroxide	KOH
Calcium hydroxide	Ca(OH) <sub>2</sub>

**QNO5:-Complete these tables given below:**

Ph indicator	Its colour when placed in neutral solution	Its colour when placed in acidic solution	Its colour when placed in alkaline solution
Litmus	Red or Blue	Red	Blue
Universal indicator	Green	Red, Orange or Yellow	Blue or Violet
Phenolphthalein	Colourless	Colourless	Pink
Screened methyl orange	Orange	Red / Orange	Yellow

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