

**St THOMAS SCHOOL**  
**Class 7**  
**Chapter- 5**  
**Acid, Base and Salt**

**1. Define the following terms:**

- i. Neutral solution
- ii. Natural indicator
- iii. DNA

**2.Fill in the blanks**

- a. Nitric acid turns -----litmus\_\_\_\_\_
- b. Tooth decay is caused by the presence of -----
- c. Sodium hydroxide turns-----litmus-----
- d. Acids taste-----and base tastes-----
- e. Water soluble strong bases are called-----

**2. Give reasons:**

- a. We should never add water to an acid for dilution.
- b. We take antacid in case if indigestion.

**3. Name the acids found in the following food materials**

S	Food items	Name of the acid
1	Milk and curd	
2	Protein rich food	
3	Tea	
4	Vinegar	
5	Apple	
6	Lemon	
7	Tamarind	
8	grapes	

- 4. On adding phenolphthalein indicator to a colourless solution, no change is observed. What is the nature of this solution?
- 5. Write a secret message with the help of baking soda and beetroot. Explain how it work.

6. Show your observation with different indicators and their colour changes.

SN	Indicators	Colour change in acid	Colour change in base
1	Methyl orange		
2	Phenolphthalein		
3	Red cabbage		
4	China rose		
5	Turmeric powder		
6	Blue litmus		
7	Red litmus		