

## 105. Acid and Base indicators

Name:

CLASS: 5/

**Q1: Based on your observation, identify the following substances**

**Acid – base – Neutral**

| Indicator        |                                                                                            |                                                                                            |                                                                                              |                                                                                              |
|------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| Litmus paper     |           |                                                                                            |            |                                                                                              |
| Phenol phthalein |           |                                                                                            |           |                                                                                              |
| pH scale         | <br>pH8 | <br>pH2 | <br>pH14 | <br>pH5 |

**Q2: Choose the correct answer:**

- Low pH number indicates.....  
a. strong acid    b. weak acid    c. strong base    d. weak base
- High pH number indicates.....  
a. strong acid    b. weak acid    c. strong base    d. weak base
- .....substance that change its color based on the medium it is in.  
a. acid    b. base    c. indicators    d. colors
- The strength of acid is..... and it is determined by.....
- The strength of base is..... and it is determined by.....