

# THE FLOWERS WHICH CHANGE COLOUR



1. Remember what your teacher did. Then read what is written in each box, (these are the stages of the experiment). Put them in order 1-4, and draw next to each stage a picture representing it.

The pink flower turned to its original white colour again.

There was a vase with three white flowers. The teacher took a spray and began to water the flowers .

Holding another spray, the teacher watered the pink flower again.

Suddenly, one of the flowers changed its colour. It turned pink.

1. 

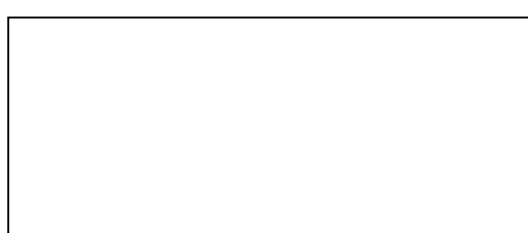
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2. 

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3. 

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

4. 

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



2. Complete the following sentences filling in the gaps. Use the box below.

- a) Acids are the chemical opposites of \_\_\_\_\_.
- b) Indicators are one \_\_\_\_\_ in acids and another \_\_\_\_\_ in alkalis.
- c) Phenolphthalein is an \_\_\_\_\_. It turns \_\_\_\_\_ in acid and \_\_\_\_\_ in alkali.
- d) \_\_\_\_\_ is another \_\_\_\_\_. It turns red in \_\_\_\_\_ and blue in \_\_\_\_\_.
- e) Vinegar is an \_\_\_\_\_, bleach is an \_\_\_\_\_.

litmus	blue	acid
transparent	alkali	pink
indicator	methyl orange	colour



3. In each of the following examples, you have to choose the odd one out. Say why you think the one you have chosen is the odd one out. It is possible that some examples could have more than one different odd one out for different reasons.

- 1. Methyl orange, phenolphthalein, bleach, litmus, bromothymol blue

I think the odd one out is \_\_\_\_\_ because \_\_\_\_\_

- 2. Transparent, phenolphthalein, blue, pink, indicator

\_\_\_\_\_

- 3. Water, vinegar, lemon juice, sulphuric acid, Coca-cola

\_\_\_\_\_

- 4. Blue, litmus, red, indicator, transparent

\_\_\_\_\_

- 5. Evidence supporting, truth, evidence refuting, hypothesis, science

\_\_\_\_\_

- 6. Biology, chemistry, physics, mathematics, biochemistry

\_\_\_\_\_

- 7. Substance hypothesis, transmutational hyp., dirt hyp., layer hyp., dye hyp.

\_\_\_\_\_