



Unit 10 • Materials Used in Daily Life: acid, base and salt

Name _____ Class _____ Roll no. _____ Date _____ Marks _____ / 31

1 Key words

[4]

Match each word in Column A with its description in Column B. Write the letter in the box. One description in Column B is not needed. Each match carries 0.5 mark.

Column A**Column B**

- | | | |
|-----------------|----------------------|---|
| 1. indicator | <input type="text"/> | a. a dye made from lichens |
| 2. litmus | <input type="text"/> | b. the acid an ant squirts into the skin |
| 3. organic acid | <input type="text"/> | c. the acid in curd |
| 4. mineral acid | <input type="text"/> | d. the acid in vinegar |
| 5. alkali | <input type="text"/> | e. a salt whose solution changes the color of no indicator |
| 6. formic acid | <input type="text"/> | f. an acid that comes from plants or animals |
| 7. lactic acid | <input type="text"/> | g. a strong acid made from minerals, such as sulphuric acid |
| 8. neutral salt | <input type="text"/> | h. a substance that shows by its color whether another is an acid, a base or a salt |
| | | i. a base that dissolves in water |

2 Multiple choice

[5]

Choose the correct option for each of the following questions.

- i. Which change does apple juice show? [1]
- | | |
|-----------------------------------|-----------------------------------|
| a. it turns blue litmus paper red | b. it turns red litmus paper blue |
| c. it turns methyl orange yellow | d. it turns phenolphthalein pink |
- ii. Which of these has the properties of a base? [1]
- | | |
|------------|-----------|
| a. curd | b. soap |
| c. vinegar | d. grapes |
- iii. Which indicator is made from lichens? [1]
- | | |
|------------------|--------------------|
| a. methyl orange | b. phenolphthalein |
| c. litmus paper | d. cabbage juice |
- iv. Which of these shows an indicator correctly? [1]
- | |
|--|
| a. Red litmus paper turns blue when dipped in an acid. |
| b. Blue litmus paper turns red when dipped in a base. |
| c. Methyl orange turns yellow when dropped into an acid. |
| d. Phenolphthalein turns pink when dropped into a base. |



c. Give a reason: acids should be handled with care. [2]

d. Give a reason: ash water is slippery. [2]

e. What is a salt? Name its main types. [2]

6 Long answer [4]

Write a long answer to the following question.

Three test tubes, A, B and C, hold an acid, a base and a salt solution, one in each. How can you find which is which with the help of methyl orange?

7 Think [2]

Think, then answer.

Bitter gourd juice is very bitter. Does that prove it is a base? How would you find out?



8 Activity: Testing with litmus paper (Activity 10.3)

(not marked)

Dip a red and a blue litmus strip into each liquid in turn. Write what each strip does, and then what the liquid is.

Liquid	Red litmus	Blue litmus	Acid, base or neutral?
lemon juice			
curd			
water			
soap water			

