

Section 1

For each question select the correct answer. Each correct response = 2 marks

1. Acids taste:

- a. sweet
- b. bitter
- c. sour
- d. salty

2. Acids make litmus paper turn

- a. red
- b. blue
- c. yellow
- d. black

3. Bases react with

- a. acids to produce salts and water
- b. water to produce acids and salts
- c. salts to produce acids and water
- d. neither acids, salts, nor water

4. Bases feel

- a. rough
- b. slippery
- c. moist
- d. dry

5. Which type of solution is one with a pH of 8?

- a. acidic
- b. basic
- c. neutral
- d. aqueous

Section 2

Short Answers. Answer the following questions. Each correct response = 2 marks

6. What is the purpose of an indicator?

7. What is the range of the pH scale?

Questions 8, 9 and 10 are based on the table below.

Chemical	pH
1	7
2	12
3	1
4	4

8. Which chemical is most likely sodium chloride (common salt)?

9. Which chemical is most likely orange juice?

10. Which chemical is most likely bleach?

11.

(a) (i) What colour litmus paper is used to test for the pH of Sodium Hydroxide solution? _____

(1 mark)

(ii) What colour change will occur when the litmus is dipped in Sodium Hydroxide solution? _____

(1 mark)

(b) What is the name of the chemical reaction when dilute hydrochloric acid is mixed with dilute Sodium Hydroxide solution? _____

(1 mark)

(c) Complete the following word equation to show the reaction occurring

Dilute hydrochloric acid + Dilute sodium hydroxide $\rightarrow$ _____ + Water
(1 mark)

(d) Name a part of the human body that has hydrochloric acid.

(1 mark)