

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 \longrightarrow _____ + Water
(1 mark)
- (d) Name a part of the human body that has hydrochloric acid.

(1 mark)