**KAHUHO UHURU HIGH SCHOOL**

**CHEMISTRY**

**FORM TWO TUNE UP**

**TIME 1 HOUR.30 MINUTES**

1. Name three elements that sublime (3 marks)

(a)

(b)

(c)

2. Define the following (3 marks)

(a) a compound

(b) an element

(c) an atom

3. Explain how a mixture of sand and ammonium chloride can be separated. (2 marks)

4. Predict the PH of the following (4 marks)

(a) Common salt

(b) Sugar

(c) Lemon juice

(d) Milk

5. Define the following (2 marks)

(a) A base (1 mark)

(b) An acid (1 mark)

6. Give two examples of

(a) strong acids. (1 mark)

(b) Weak acids (1 mark)

7. Give the word equations when the following reacts. (3 marks)

d(a) Calcium + Oxygen \_\_\_\_\_\_\_\_\_\_\_\_\_

(b) magnesium + oxygen \_\_\_\_\_\_\_\_\_\_\_\_

(c) Iron + sulphur \_\_\_\_\_\_\_\_\_\_\_\_\_

8. State the methods that can be used to separate the following

(a) a solution of common salt and water. (1 mark)

(b) a mixture of iron fillings and sulphur (1 mark)

9. Given the following PH values use the data and answer the questions that follow.

PH

|  |  |  |
| --- | --- | --- |
| A | 2 |  |
| B | 7 |  |
| C | 8 |  |
| D | 11 |  |

(b) Name the element that represent

(i) Strong acid

(ii) Distilled water

(iii) Common salt