**EXPERIMENT TWO**

Date: 11th April 2020

Title: Isolation of soil microorganisms

Aim: To isolate soil microorganisms and measure the physical and chemical properties.

Materials: Beakers, auger

Procedure:

* Collect soil samples into beakers at different depth using an auger
* Soil surface
* 15cm deep
* 30cm deep
* Label the beakers accordingly
* Using serial dilution dilution determine the number of microorganisms present in the soil at each depth

Table of results

|  |  |  |  |
| --- | --- | --- | --- |
| Diluation | Soil surface | 15cm | 30cm |
| 10-3 | 24 | 16 | 16 |
| 10-5 | 7 | 6 | 3 |

Table of observations

|  |  |  |  |
| --- | --- | --- | --- |
|  | Soil surface | 15cm | 30cm |
| Nature of soil particles | Sandy | Sandy | Sandy |
| Temperature | 32oC | 24oC | 20oC |
| pH | Acidic | Acidic | Acidic p |