|  |  |  |  |
| --- | --- | --- | --- |
|  | Type of Soil | | |
| Test type | Basil Plant (soil it was growing in) | Ziploc Bag Sample | White bag – Potting soil |
| pH Test | 4.0-6.0 | 4.0 |  |
| Nitrogen Test | Medium | Medium |  |
| Potassium Test |  | High (Lavender to blue with 10 drops of indicator) |  |
| Phosphorous Test |  | High | Medium |

Using the above results write a lab report

* Hypothesis: How easily do the tests indicate the pH, nitrogen level, potassium level and phosphorous level in the soil?
* Procedure/materials: what steps did you follow? What apparatus did you use?
* Sources of Error: What went wrong? Did a step get forgotten or a step get added?
* Conclusion: Did the results of the lab support your hypothesis? Explain.
* Questions:
  + Based on the results would this soil be good for planting plants?
  + What impact would soil erosion have on an area that you want to grow crops like corn or squash?
  + The soil used in this lab was bought from a store how is this soil different from that found in nature? Explain.