**SOIL 4234 Laboratory #10**

**Soil Test for Phosphorus Pre-Lab (5 points)**

**Due Wednesday, October 24th at the beginning of lab**

Student

Lab

TA

1. In acidic, highly weathered soils, inorganic P exists mainly as:
2. Fe- and Ca-phosphates
3. Fe- and Al-phosphates
4. Al- and Ca-phosphates
5. All of the above
6. What is the standard phosphorus extractant used in Oklahoma?

1. What are the two factors other than the choice of extractant which influence the amount of P that can be extracted from a soil sample?

4. Which form(s) of phosphorus is/are taken up by plants?

1. HPO42-
2. H2PO4-
3. P2O5
4. both a and b
5. All of the above

5. The amount of P extracted is correlated to:

1. Animal tissues, manures, and organic matter
2. Plant P concentration, plant growth, and plant response to P fertilizer
3. Shaking time, organic matter, and manure
4. Type of extractant, animal tissue, and aluminum