

Name \_\_\_\_\_

# CASE

## Presentation Notes

Presentation What is ph? Lesson 3.2

### Notes from Presentation:

- pH is the measure of acidity or alkalinity of a substance such as soil
- Acid is a term used for substances with a pH value of less than 7.0
- Alkaline (aka Base) is a term used for substances with a pH value greater than 7.0
- pH is measured on a scale of 0 - 14
- 7 is neutral
- the pH scale is special in that each pH point multiplies the pH factor by 10
  - example- 7-8 has a difference of 10 7-9 has a difference of 100

### Who cares about it

- plant producers
  - a correct soil pH allows plants to uptake soil nutrients required for growth and health
  - certain soil nutrients become unavailable at different pH levels
- animal producers
  - nutrient uptake in digestion
- agriculture scientists
  - food preservation

### Buffers

- chemical substance that neutralizes acids or bases when added to a solution

# AFNR Reflection Page

List five key points that are important to remember from this presentation.

1. 7 is neutral
2. scale of 0-14
3. buffers neutralize bases and acids
4. base is also called alkaline
5. you multiply each point by ten (2 points is 100)

List three ideas or concepts that this new information has in common with previous things learned.

1. the pH of soil affects plant growth
2. used in animal digestion
3. different plants require different pHs

List questions or ideas that remain unclear about the information presented that should be asked for clarity at the appropriate time.

n/a