

12. Plants can only directly use nutrients that are in the soil solution, but exchangeable nutrients are used to estimate plant availability. Why?
- a. It's easier to measure exchangeable nutrients than soluble nutrients.
- b. It's cheaper to measure exchangeable nutrients than soluble nutrients.
- c. The root prefers exchangeable over soluble nutrients.
- d. They are only weakly bonded and can easily leave the surface as solution concentrations decrease.
13. Iron deficiency would be most expected at which of the following pH levels?
- a. 5 c. 7
- b. 6 d. 8
14. Which of the following nutrients would likely get flushed or leached out of the surface soil the fastest after a large rainstorm?
- a. NO_3^- c. Ca^{+2}
- b. K^+ d. HPO_4^{-2}
15. In Figure 6, decreased pH caused the number of negative charges (proportional to the CEC) on the clay particle to drop by a factor of 2 (from 10 to 5) and the number of positive charges (proportional to the AEC) to increase by:
- a. 50% c. a factor of 3
- b. a factor of 2 d. a factor of 4

SELF STUDY EVALUATION FORM: Nutrient Management Module 2

Rating Scale: 1 = Strongly Disagree 5 = Strongly Agree

Information presented will be useful in my daily crop advising activities:	1	2	3	4	5
Information was organized and logical:	1	2	3	4	5
Graphics/tables were appropriate and enhanced my learning:	1	2	3	4	5
I was stimulated to think how to use and apply the information presented:	1	2	3	4	5
The article addressed the stated competency area and performance objective(s)	1	2	3	4	5

Briefly explain any "1" ratings:

Topics you would like to see addressed in future self-study materials:

SELF-STUDY EXAM REGISTRATION FORM-FOR ROCKY MOUNTAIN CCA CREDIT

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I certify that I alone completed this self-study course and recognize that an ethics violation may revoke my CCA status.

Signature of Registrant as it appears on Code of Ethics

Date