Some of you may have the second edition of the textbook by Marschner, "Mineral Nutrition of Higher Plants," or the 3rd edition that is relatively new (2012). If buying a text, buy the third edition. Please see below for appropriate readings. The material on the web has readings for the third edition (also listed below). On the next page are equivalent readings from the second edition. These readings mainly supplement the information on the web lessons and go into greater detail. Use the edition that you have available to complete the readings for this background information.

THIRD EDITION

Lesson 1

Lesson 6
Suggested review material:

Lesson 7
Suggested Readings

Lesson 8 (new…no suggested reading in 2nd ed.)
Suggested Readings

Lesson 9
Mineral Nutrition of Higher Plants (3rd ed.) presents a detailed discussion of the role of micronutrients in plants in chapter7, p. 191-248. This level of detail is not required in this course, but you may wish to skim this chapter. Also, you may wish to review the role of the secondary macronutrients (S: p. 151-158; Mg: p. 165-171; and Ca: p. 171-178).

Lesson 10

Lesson 11

Lesson 12

SECOND EDITION

Lesson 1
Mineral Nutrition of Higher Plants, 2nd ed. p. 508-536
Consider reading Mineral Nutrition of Higher Plants, 2nd ed. p. 483-507 to review the basics of root systems

Lesson 6
Suggested review material:

Lesson 7
Suggested Readings

Lesson 9
Mineral Nutrition of Higher Plants presents a detailed discussion of the role of micronutrients in plants in chapters 9 and 10. This level of detail is not required in this course, but you may wish to skim these chapters.

Lesson 10
Mineral Nutrition of Higher Plants, 2nd ed.
Chapter 12.1-12.3, p. 461-477
Chapter 12.5 p. 478-479
Chapter 13.6 p. 505-507

Lesson 11
Mineral Nutrition of Higher Plants, 2nd ed. p. 201-228, p. 525-528, and p. 547-595

Lesson 12
Mineral Nutrition of Higher Plants, 2nd ed. p. 626-641