

Chapter 1

PLANT AND SOIL SCIENCE IN A PRODUCTIVE AGRICULTURE

- Objectives**
- Describe how agriculture meets basic human needs
 - Explain plant and soil science
 - Name important crop groups and give examples of each

A. Understanding Terms

Place the letter of the term(s) in the blank to the left of the correct description.

- | | | |
|------------------------|---------------------|-----------------|
| a. field crops | g. shelter | m. agriculture |
| b. spice | h. grain crop | n. fiber crops |
| c. soil | i. food | o. pomology |
| d. plant domestication | j. ornamental crops | p. olericulture |
| e. herb | k. forestry | q. cereal grain |
| f. floriculture | l. forage | r. sugar crop |

- _____ 1. Includes our homes and the items we have in our homes to make them comfortable.
- _____ 2. Removing plants from their native wild environment and growing them under controlled conditions.
- _____ 3. Includes plants grown for their edible seeds, not including the horticultural crops.
- _____ 4. The top layer of the earth's crust.
- _____ 5. A nonwoody plant with leaves, seed, or other parts used to enhance food.
- _____ 6. An aromatic plant part (seed, leaves, etc.) used to season food so it has a desired taste or smell.
- _____ 7. The production and use of plants for their flowers and foliage (stems and leaves).
- _____ 8. Plants grown in large fields and used for oil, fiber, grain, and similar products.
- _____ 9. Solid or liquid material humans eat.
- _____ 10. The science of growing crops and raising animals.
- _____ 11. Plants used for animal feed while the plants are still immature or before seed maturity.
- _____ 12. Includes flowers, shrubs, vines, and other species grown for their beauty and personal appeal.
- _____ 13. Used as a source of sucrose.
- _____ 14. The science of growing trees and producing wood products.
- _____ 15. The science of producing vegetable crops, such as tomatoes, snap beans, asparagus, and artichoke.
- _____ 16. Grown for the fiber produced in their fruit, leaves, or stems.
- _____ 17. The science of producing fruits and nuts.
- _____ 18. The seed of grass-type plants grown for food and animal feed.

B. Understanding Concepts

1. Identify and explain four major factors that contribute to agricultural productivity.

a. _____

b. _____

c. _____

d. _____

2. The three basic human needs are _____,
and _____.

3. Define the difference between direct plant source and indirect plant source.

4. Two clothing fibers from plants are _____ and _____.

5. Define plant science.

6. Three broad areas included in plant science are _____,
_____, and _____.



7. Listed below are important crops. Describe each and give examples.

a. Grain crops _____

b. Cereal crops _____

c. Sugar crops _____

d. Oil crops _____

e. Fiber crops _____

f. Vegetable crops _____

g. Fruit crops _____

h. Nut crops _____

i. Forage crops _____

j. Turf crops _____

k. Ornamental crops _____

l. Herb, spice, and medicinal crops _____
