

BOTANY: CHAPTER 1- AN INTRODUCTION TO PLANTS AND THEIR STUDY

Key vocabulary

Angiosperms
Animal
Apical meristems
Artificial selection
Autotrophic
Axillary buds
botany
Cell wall
Cellulose
Chlorophyll
Cotyledon
Dicots
Ecology
Embryo
Endosperms
Epicotyl
Gymnosperms
herbaceous
Heterotrophic
Hypocotyl
Internodes
Monocots
Nodes
Photosynthesis
Pigment
Plant
Root cap
Root hairs
Seed coat
Seeds

Assignments

Due:

1. Read pages 6-12 answer the following questions

- What is the best combination of plant derived nutrition?
- Explain how the calories in meat ultimately come from the sun.
- Why were cereals important to early civilizations and how did they influence our early ancestors?
- Trace at least 5 common lunch items back to plants.

Due:

2. Read the Science News article “The Wood Detective”

- Write an 8 sentence summary (8 sentences no more no less)

Due:

3. Read pages 17-21 (stop at inquiry summary)

- The root of a young plant develops more rapidly than the shoot. What do you think the significance of this is?
- What is the purpose of a seed?
- What is the difference between a monocot and a dicot?
- What are the four functions of the root?
- What are the four functions of the stem?

Due:

4. On page 26 answer Thought Questions # 2,4,8

Due:

5. Define the key vocabulary words in plain English