

Chapter Homework

On page 202 answer the following questions on a single piece of paper

1, 3, 4, 5, 7, 8, 10

Define the key vocabulary

Name: _____

Define the terms:

Adventitious roots:

Bark:

Bud:

Bulb:

Herbaceous:

Internodes:

Node:

Perennial:

Periderm:

Rhizome:

Stolon:

Succulent:

Thorns:

Vegetative reproduction:

If you seek the “A” then know the following diagrams (and be able to explain them)

A) pg 183 fig 8.1

B) pg 185 fig 8.4

C) pg 187 fig 8.9, 8.10

D) pg 188 fig 8.11-12

E) pg 189 fig 8.13-14

F) pg 191 fig 8.17

Quiz on roots and stems coming soon

Stems: pg 181

Functions of the stem:

1. Stems _____ stuff: water, organic solutes
2. Stems _____ new growth
3. Stems _____ leaves, flowers and fruit
4. Stems _____ materials
5. Stems are either _____ or _____
6. Stems can **reproduce** _____ –

Stems have

1. _____: the point on a stem at which leaves and buds are attached.
2. _____: the space between nodes
3. _____: responsible for branching

Higher plants (angiosperms) have external adaptations of their morphology to survive the stresses of the environment

Stem modifications

1. _____: a fleshy horizontal underground stem
2. _____: a horizontal aboveground stem
3. _____: an underground storage organ characterized by fleshy leaves attached to a stem base
4. _____: a modified stem ending in a sharp point
5. _____: a plant with fleshy, spongy organs modified to hold water

Stems Grow

_____ : primary growth (length)

_____ : secondary growth (circumference)

