# Selected Review Questions Chapter 14

## 14.1

1. Why won’t all plants grow equally well in the same conditions?

2. What are the 4 main uses of water in plants?

4. What causes nastic movements?

## 14.2

1. List three ways of replenishing the mineral content of the soil.

2. Explain how plants absorb minerals from the soil.

## 14.3

3. How do tropisms affect plants? List four examples of positive or negative tropisms.

4. How do tropisms differ from nastic movements?

## 14.4

1. List several characteristics of light that are significant for plant growth.

3. Summarize how a period of dormancy many help certain plants.

## 14.5

1. Why are some plants reproduced asexually for commercial purposes?

3. List several plants that are asexually reproduced by:

a) underground roots

b) underground stems.

6. Describe the grafting process. How does this differ from budding?

## 14.6

2. Name the male reproductive structures of a flower:

3. Name the female reproductive structures of a flower:

4. Explain the difference between pollination and fertilization.

5. Describe the process of fertilization in flowering plants.

6. List the basic parts of a seed, and the basic parts of the embryonic plant within the seed.

7. What three basic conditions must be met for a seed to germinate?

## Vocab 14: (Type here or turn in flashcards)

Transpiration

Cohesion-Transpiration Theory

Turgor Pressure

Nastic Movements

Translocation

Hormone/auxin

Tropism (positive/negative, different kinds)

Photoperiodism

Short day plant v long-day vs day-neutral plants

Grafting, budding (asexual)

Parts of the flower (about 15 parts)

Pollination (the definition and the process)

Germination

Seed diagrams of monocot, dicot (hilium, epicotyl, radicle, etc)