Plant Science Study Guide

1. Identify the different ways that plants get water.
2. Explain why photosynthesis is important to plants.
3. List the three nutrients found in fertilizer.
4. Determine why crops are important to Agriculture.
5. Be able to calculate the percentage of crops lost due to insect damage (worksheet).
6. State the factors important to know when planting crops.
7. Identify air’s relationship to plants.
8. Recite the two basic fertilizers used in Agriculture.
9. Determine the amount of commission earn by a broker from selling crops.
10. Identify the entire formula for photosynthesis.
11. Calculate the amount of water needed for a plant based on its height.
12. Define what is classified as a growing media.
13. Recall what the numbers on a fertilizer bag represent (besides the nutrients).
14. Identify light’s role in plants.
15. Be able to calculate the amount of seeds germinated (worksheet).
16. Explain why trees can live in the winter when they have no leaves to produce photosynthesis.
17. Differentiate between sexual and asexual propagation.
18. Construct a definition for photosynthesis.

Possible Open Response Question

You are a local farmer debating what you will grow this coming season. You decide that researching a crop to plant is the best option. Before you start researching you need to figure out what you will research. Below is a list of items that are important to research:

* One commodity and an example
* Why the crop chosen is important to Agriculture
* Three factors needed to know before growing this crop
* Nutrients needed for growth and development
* Which basic type of fertilizer you will use to supply the nutrients