**Photosynthesis ITG Video Questions 3.02, P:1**

1. What was one of the first photosynthesis science projects?
2. Why did the candle continue to burn instead of go out?
3. What is one of the most important things that photosynthesis does?
4. The process of photosynthesis helps plants make their own \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
5. Unlike animals, plants have to make their own food. Plants are called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
6. What are two interesting facts about photosynthesis?
7. \_\_\_\_\_\_\_% of the plants growth comes from photosynthesis.
8. What is the color of photosynthesis? Where does the color come from?
9. Is making blueberry muffins a physical or chemical reaction? Why?
10. Describe the recipes for blueberry muffins and photosynthesis in the table below.

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|  | Blueberry Muffins | Photosynthesis |
| Ingredients |  |  |
| Mixing Bowls |  |  |
| Energy Source |  |  |
| Substrate of Reaction |  |  |
| Products |  |  |

1. Glucose and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ are the two products yielded through photosynthesis.
2. \_\_\_\_ CO\_ +\_\_\_\_\_ H\_O=C\_H\_o\_ + 6O\_ + 6H\_O
3. What factors will impact photosynthesis? List them in the table below.

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1. What is the name for yellowing in leaves? Why does this occur?
2. Does variegation (chlorophyll concentration) impact photosynthesis?
3. Where would a plant with variegation do best?
4. What happens when a plant is all red or burgundy to the chlorophyll? Where do these kinds of plants need to be placed in the landscape?
5. How are asparagus blanched?
6. How does the head of cauliflower stay white?
7. On the *Chamaecyparis pisifer filifera* var. Aurea, how does the plant make photosynthesis with yellow leaves?
8. What is the plant of the week?