When Plants Undergo Photosynthesis

1.   Write the balanced chemical equation for photosynthesis, i.e. the opposite of combustion of glucose a.k.a. cellular respiration.

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2.   How many moles of glucose will form if 15.0 moles of carbon dioxide react?

3.   How many grams of oxygen will form if the plant used 1.5 moles of water?

4.   How many moles of carbon dioxide will be used up by a tree producing 5.0 moles of oxygen?

5.   How many grams of glucose will be produced if a plant uses up 35.00 g of carbon dioxide?

6.   What mass of oxygen will produce 45.00 g of glucose?

7.   How many molecules of carbon dioxide will be used up to produce 100.00 g of oxygen?