

Versions of photosynthesis questions

Photosynthesis - Maple tree

A mature maple tree can have a mass of 1 ton or more (dry biomass, after removing the water), yet it starts from a seed that weighs less than 1 gram. *Explain this huge increase in biomass: where did the biomass come from and by what process?*

Photosynthesis - Corn v.1

Each Spring, farmers plant about 5-10 kg of corn per acre for commercial corn production. By the Fall, this same acre of corn will yield approximately 4-5 metric tons of dry harvested corn. Explain what process adds this huge increase in biomass and where the biomass comes from.

Photosynthesis - Corn v.2

Each Spring, farmers plant about 5-10 kg of corn per acre for commercial corn production. By the Fall, this same acre of corn will yield approximately 4-5 metric tons of dry harvested corn. Explain where this huge increase in biomass comes from and by what process.

Photosynthesis - Peanut v.1

Each Spring, farmers plant about 5-10 kg of peanuts per acre for commercial peanut production. By the Fall, this same acre of peanuts will yield approximately 4-5 metric tons of dry harvested peanuts. Explain what process adds this huge increase in biomass and where the biomass comes from.

Photosynthesis - Peanut v.2

Each Spring, farmers plant about 5-10 kg of peanuts per acre for commercial peanut production. By the Fall, this same acre of peanuts will yield approximately 4-5 metric tons of dry harvested peanuts. Explain where this huge increase in biomass comes from and by what process.