

What Do Plants Use Glucose For?

What is Glucose?

Glucose is a simple sugar with the molecular formula $C_6H_{12}O_6$. Glucose is the most abundant monosaccharide, a subcategory of carbohydrates.

Cellulose



Strengthening cell walls

Respiration



To release energy

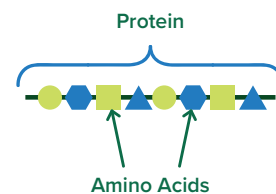
Glucose

Insoluble Starch



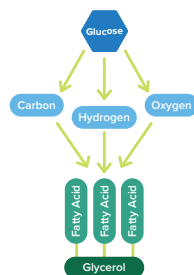
Storage without affecting water balance

Amino Acids



Protein synthesis

Fats & Oils



Storage

Photosynthesis

Carbon dioxide + Water \longrightarrow Glucose + Oxygen