

## Cut Flower Absorption



Cut flowers, once separated from the plant, no longer have access to the nutrients and water they would typically receive through the roots. However, they can still absorb water and certain nutrients through their stems for a limited time. Here's how they get nutrition:

### 1. Water Absorption

- **Through the stem:** Cut flowers continue to absorb water through the xylem in their stems, which helps keep them hydrated and turgid.
- **Importance of cutting the stems:** Cutting the stems at an angle increases the surface area for water absorption and prevents the stem from resting flat on the bottom of the vase, ensuring better water uptake.

### 2. Nutrients in Flower Food

Commercial flower preservatives or "flower food" packets contain ingredients that help keep cut flowers alive longer:

- **Sugars:** Provide energy for the flowers since they no longer produce their own through photosynthesis. This prolongs their freshness.
- **Biocides:** These help prevent the growth of bacteria and fungi in the water, which can clog the stem's water uptake channels.
- **Acidifiers:** These lower the pH of the water, which helps water move more easily up the stem.
- **The Vibrant Vase Enhancer packs a whole lot more than sugar water and a few other ingredients. The Vase Enhancer offers a whole verity of nutrients to assure your beautiful flowers stay beautiful and last longer .**



*For illustration purposes*

Even with nutrition, cut flowers only live for a limited period, as they no longer have access to all the resources the plant provides. Regularly changing the water and keeping the environment cool can also extend their lifespan.