

Match the terms with the correct explanation.

Energy distribution

Movement of organic compounds from source to sinks.

Defense mechanism

Nutrients translocated support water and mineral uptake.

Nutrient transport

Food prepared is transported to all parts of the plants aiding metabolic reactions.

Adaptation to environmental changes

At times of drought, sinks become the source.

Root growth and maintenance

Nutrients are translocated from older dying tissues to newer active tissues.

Reproduction and seed development

When affected by pathogens or herbivores, secondary metabolites are translocated to affected tissues.

Growth and development

Additional nutrients are translocated to tubers, bulbs, rhizomes, etc.

Leaf expansion

During active growth, sugars are translocated to developing flowers and fruits.

Nutrient redistribution

Translocation helps plants capture more sunlight for increased rate of photosynthesis.

Storage organs

Nutrients are essential for the formation and maturation of seeds.