

Active transport

Define active transport.

Active transport

What is the energy source for active transport?

Active transport **Supplement**

Give an example of active transport in plants.

Active transport **Supplement**

Why do root hair cells have many mitochondria?

Active transport **Supplement**

What moves molecules or ions during active transport?

Respiration.

The movement of particles through a cell membrane from a region of lower concentration to a region of higher concentration (i.e. against a concentration gradient), using energy from respiration.

To release the energy from respiration needed for active transport of ions.

Ion uptake by root hairs from very dilute soil solutions.

Protein carriers in the cell membrane.