

WK 3 ALT Microbial Nutrition

1. The organisms that can use inorganic carbon and the energy of chemical reactions Chemoheterotrophs.
2. A photoautotroph requires organic molecules for carbon and energy from sunlight.
3. During osmosis transport water transfers through semipermeable following concentration gradient.
4. Microorganisms living in soil and water associated with volcanic activity, compost piles, habitats directly exposed to the sun are extremophiles.
5. In active transport nutrients are transported against the diffusion gradient or in the same direction as the natural gradient but at a faster rate with energy expenditure
6. A hypertonic environment has a higher concentration of solutes outside the cell than inside the cell.