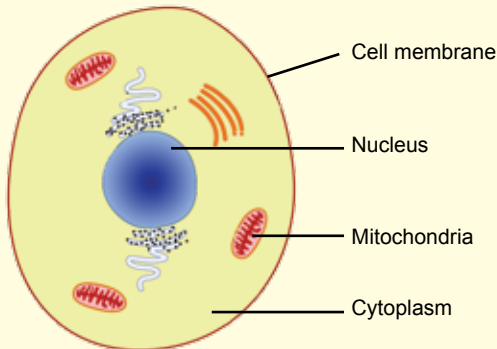
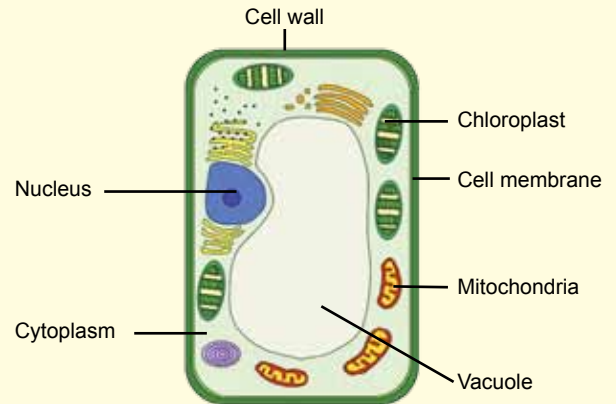


Animal Cells and Plant Cells

Animal cell



Plant cell



Comparison between animal cells and plant cells

Animal cell

Plant cell

Similarities

- Has a cell membrane, cytoplasm, mitochondria and nucleus
- Able to carry out all life's function

Differences

- Generally smaller

Size

- Generally bigger

- Irregular

Shape

- Fixed

- Absent

Cell wall

- Present

- No chloroplast
- No vacuole

Contents

- Has chloroplast
- Has vacuole

Organisms

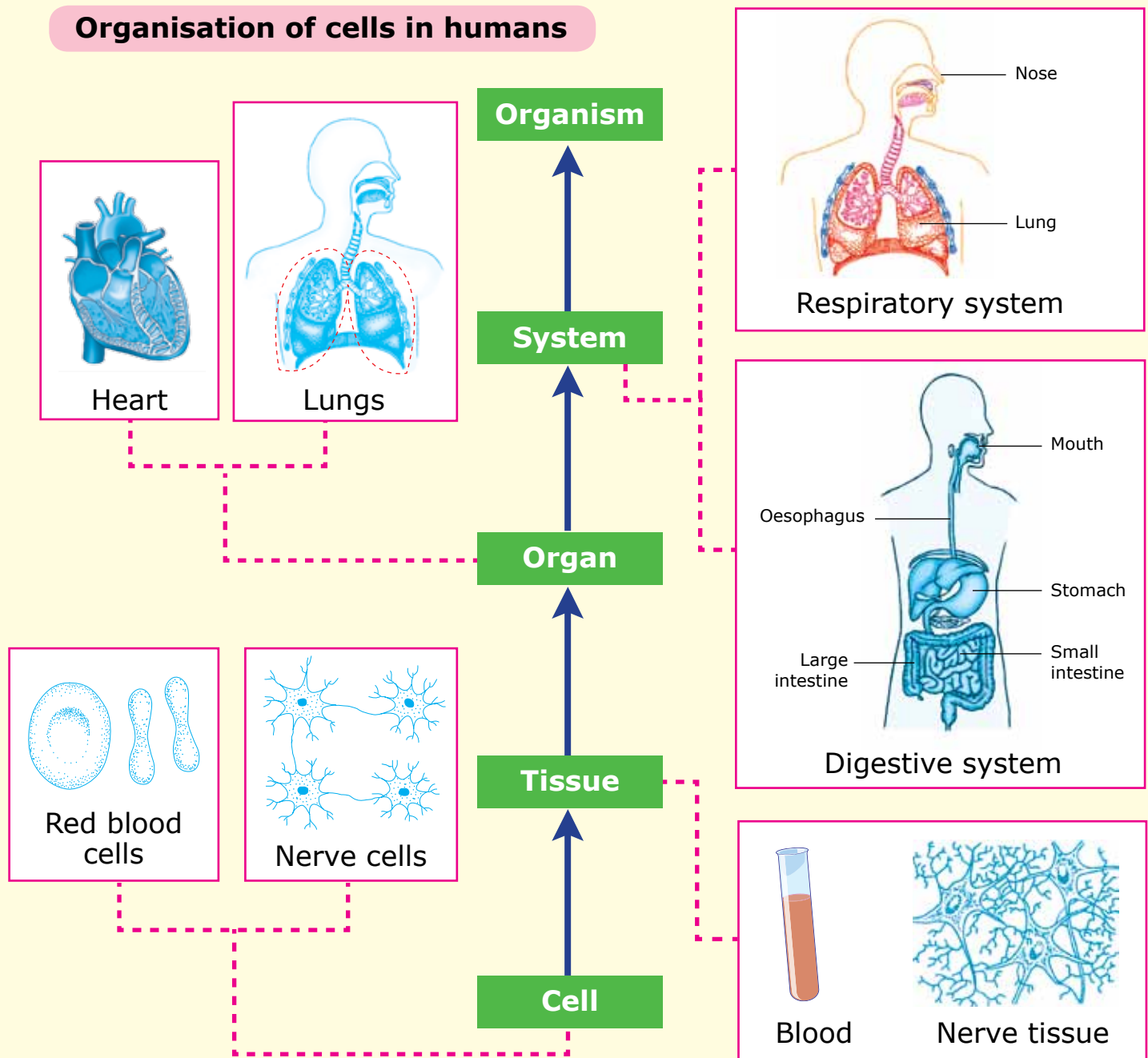
Unicellular organisms

- Each organism consists of only one cell that carries out all life processes.
- Examples: *Amoeba*, *Euglena*, *Paramecium*

Multicellular organisms

- Each organism is made up of a variety of cells. Each type of cell carries out one specific function.
- Examples: *Hydra*, grass, ant

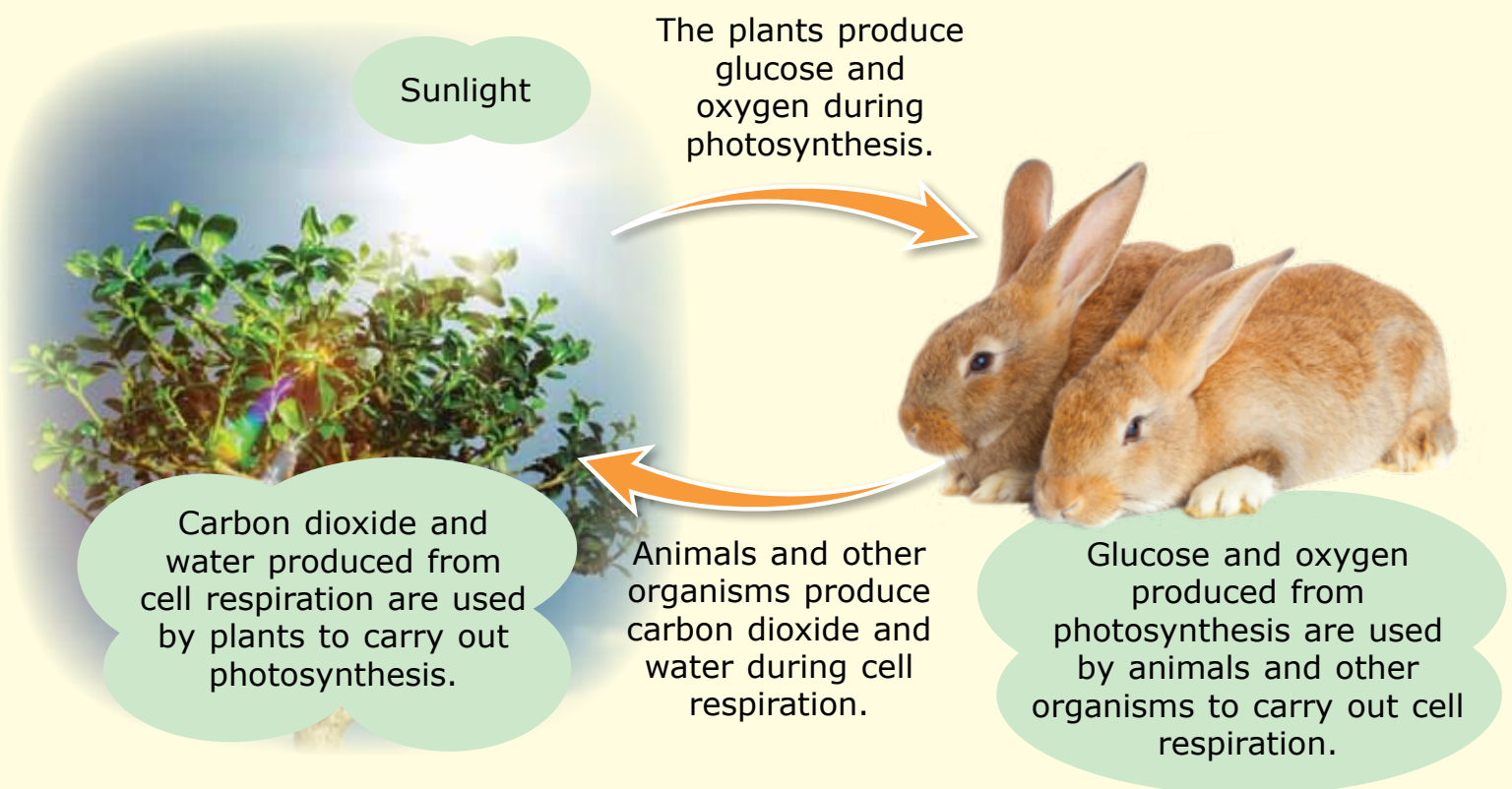
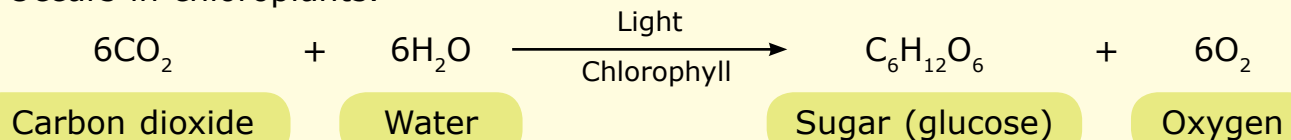
Organisation of cells in humans



The Processes of Cell Respiration and Photosynthesis Complement Each Other

Photosynthesis

- Photosynthesis is the process that occurs in green plants and some microorganisms to produce their own food (glucose) by using carbon dioxide, water and light energy from sunlight.
- Occurs in chloroplasts.



Cell respiration

- Cell respiration is a reaction and process that occurs in human cells, animals, plants and microorganisms to produce energy from the process of break down of food (glucose).
- Occurs in mitochondria.

