

Vocabulary

Organism	Any living thing
MRS NERG (acronym)	7 processes all living things carry out: Move, respire, sense, nutrients, excrete, reproduce, grow
Organ system	A group of organs working together e.g. circulatory system
Organ	A group of tissues working together e.g. heart, leaf
Tissue	A group of cells working together e.g. muscle
Cell	The smallest functional unit of an organism
Mitochondria	Releases energy for the cell
Photosynthesis	Chemical reaction that makes food for plants

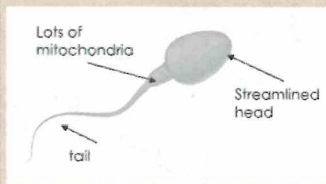
Organ System

Function

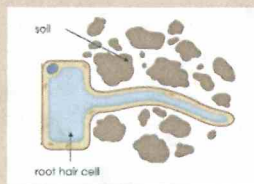
Digestive system	Breaks down food and absorbs nutrients
Circulatory system	Transports substances like oxygen around the body
Muscular system	Works with bones to help you move
Skeletal system	Works with muscles to help you move
Respiratory system	Takes in oxygen and gives out carbon dioxide

Specialised cells

Sperm Cell



Root hair cell



Cell Structure

Function

Nucleus	Controls the activities of the cell
Cytoplasm	Jelly like substance where chemical reactions take place
Cell membrane	Controls what gets in and out of the cell
Respiration	Chemical reaction that releases energy
Cell wall	Supports the cell
Vacuole	Contains sap and keeps cell rigid
Chloroplast	Absorbs sunlight for photosynthesis

Animal cell

Plant cell

