

7Aa – Doctors

Word	Pronunciation	Meaning
evidence	<i>ev-id-enss</i>	Information that you use to say whether you think something is right or wrong.
symptom	<i>simp-tom</i>	Changes in the way the body works, which help a doctor to work out what is wrong with you.

7Aa – Life processes

Word	Pronunciation	Meaning
excretion	<i>ex-cree-shun</i>	Getting rid of waste. All organisms excrete.
growth		Increase in size. All organisms grow.
life process		A process that something does in order for it to be alive. The life processes that happen in all living things are movement, reproduction, sensitivity, growth, respiration, excretion and a need for nutrition.
movement		Going from place to place. All organisms can move themselves or parts of themselves.
nutrition	<i>new-trish-un</i>	Substances that help organisms respire and grow. All organisms need nutrition.
organism	<i>or-gan-iz-m</i>	A living thing.
reproduction	<i>ree-pro-duck-shun</i>	A process in which organisms make more organisms like themselves. All organisms reproduce.
respiration	<i>res-per-ay-shun</i>	A process in which substances release energy for an organism to use. All organisms respire. There are, however, different forms of respiration.
sensitivity	<i>sen-se-tiv-it-ee</i>	The ability to detect things in the surroundings. All organisms can sense certain changes in their surroundings.

7Ab – Prescriptive writing

Word	Pronunciation	Meaning
aim		What you are trying to find out.
conclusion	<i>con-cloo-shun</i>	An explanation of how or why something happens, which is backed up by evidence. You use evidence to 'draw' a conclusion.
diagnosis	<i>dye-agg-nO-sis</i>	A conclusion made by a doctor about what is wrong with someone who is ill.
evaluation	<i>ev-val-U-ay-shun</i>	How you can improve your experiment.
method		The instructions for doing an experiment.
prediction	<i>pred-ik-shun</i>	What you think will happen and why you think this.
prescription	<i>press-krip-shun</i>	An order for some medicines that a doctor writes.
results		Measurements and observations from an experiment.

7Ab – Organs

Word	Pronunciation	Meaning
bladder		Organ that stores urine.
brain		Organ that controls what the body does.
diaphragm	<i>dye-a-frag</i>	Organ that helps breathing. As it moves downwards it helps make the lungs bigger, allowing them to fill with air. As it moves upwards, it makes the lungs smaller, pushing air out.
faeces	<i>fee-sees</i>	A mixture of unwanted food and certain materials excreted by the liver. Often called 'poo'.
foodpipe		Organ in the shape of a tube that takes food from your mouth to your stomach. Also called the 'gullet' or 'oesophagus'.
function	<i>funk-shun</i>	The job or role something has
gullet	<i>gull-ett</i>	More scientific name for 'foodpipe'. Also called the 'oesophagus'.
heart	<i>hart</i>	Organ that pumps blood.
intestines	<i>in-test-ins</i>	The small intestine and large intestine together.
kidneys		Organs used to clean the blood and make urine.
large intestine	<i>in-test-in</i>	Organ that removes water from unwanted food.
leaf		Plant organ used to make food by photosynthesis.
liver		Organ used to make and destroy substances in our bodies. It also stores some substances.
lungs		Organs used to take oxygen out of the air and into the blood. They also put waste carbon dioxide into the air.
oesophagus	<i>os-off-ag-us</i>	Scientific name for the 'gullet' or 'foodpipe'. A tube that takes food from your mouth to your stomach.
organ		A large part of a plant or animal that does a very important job.
photosynthesis	<i>fO-tow-sinth-e-sis</i>	Process that plants use to make their own food. It needs light to work.
rectum		Organ that stores faeces.
root		Plant organ used to take water out of the soil.
skin		Organ used for protection and feeling.
small intestine	<i>in-test-in</i>	Organ used to break up food and get it into the blood.
stem		Plant organ used to take water to the leaves and to support the leaves.
stomach	<i>stum-ack</i>	Organ used to break up food.
storage organ		Organ used by plants to store materials.
trachea	<i>track-ee-a</i>	More scientific name for 'windpipe'.
windpipe		Organ in the shape of a tube that takes air to and from your lungs. Also called the trachea.

7Ac – Tissues

Word	Pronunciation	Meaning
fat tissue		Tissue that stores fat. There is fat tissue in the heart.
muscle tissue	<i>muss-ell</i>	Tissue that can change shape and move things. There is muscle tissue in the heart.
root hair tissue		Tissue that helps roots get water out of the ground quickly.
tissue		A part of an organ that does an important job. Each tissue is made up of a group of the same type of cells all doing the same job.
xylem tissue	<i>zy-lem</i>	Tissue that carries water in plants.

7Ac – Microscopes

Word	Pronunciation	Meaning
biopsy		When a small piece of tissue is taken from the body and looked at in detail in order to check for certain diseases or problems.
coarse focusing wheel		Wheel on a microscope that moves parts of the microscope a large amount to get the image into focus.
coverslip		Thin piece of glass used to hold a specimen in place on a slide. It also keeps the specimen flat and stops it drying out.
eyepiece lens		Part of the microscope you look down.
fine focusing wheel		Wheel on a microscope that moves parts of the microscope a small amount to bring the image into focus.
focus		To make an image clear and sharp. If an image is 'in focus' it is clear and sharp.
image		What you see when looking down a microscope.
magnification	<i>mag-nif-ick-ay-shun</i>	How much bigger a microscope makes something appear.
magnify	<i>mag-nif-eye</i>	To make something look bigger.
microscope	<i>my-crow-scope</i>	Piece of equipment used to magnify small things.
objective lens		Part of the microscope that is closest to the specimen.
slide		Glass sheet that a specimen is put on.
specimen	<i>spess-im-men</i>	The object you look at using a microscope.
stage		Part of a microscope. You put a slide on it.
stain		Dye used to colour parts of a cell to make them easier to see.

7Ad – Cells

Word	Pronunciation	Meaning
cell		The basic unit of all life. All organisms are made of cells.
cell surface membrane	<i>mem-brayn</i>	Membrane that controls what goes into and out of a cell.
cell wall		Tough wall around plant cells. Helps to support the cell.
cellulose		A strong plant material used to make cell walls.

Word	Pronunciation	Meaning
chlorophyll	<i>klor-O-fill</i>	Green substance found inside chloroplasts.
chloroplast	<i>klor-O-plast</i>	Green disc containing chlorophyll. Found in plant cells. Where the plant makes food using photosynthesis.
cytoplasm	<i>site-O-plaz-m</i>	Watery jelly inside a cell where the cell's activities take place.
mitochondria	<i>my-tow-kon-dree-a</i>	Small parts in the cytoplasm of all cells, where respiration occurs.
muscle cell	<i>muss-ell</i>	Cell that can change its length and so move things.
nucleus	<i>new-blee-us</i>	The 'control centre' of a cell.
root hair cell		Cell found in roots. It has a large surface area to help the cell absorb water quickly.
tissue	<i>tiss-you</i>	A group of the same cells all doing the same job.
vacuole	<i>vack-you-oll</i>	Storage space in plant cells.

7Ae – Organ systems

Word	Pronunciation	Meaning
blood vessel		Tube that carries blood around the body.
breathing system	<i>bree-thing</i>	Organ system that takes oxygen from the air and puts it into the blood. It also gets rid of carbon dioxide from the blood, putting it into the air.
circulatory system	<i>serk-you-late-or-ee</i>	Organ system that carries oxygen and food around the body.
digestive system	<i>die-jest-iv</i>	Organ system that breaks down food.
fat tissue		Tissue that stores fat. There is fat tissue in the heart. It is made of fat cells.
locomotor system	<i>low-cO-mow-ter</i>	Organ system that allows us to move.
muscle tissue		Tissue that can change shape and move things. There is muscle tissue in the heart. It is made from muscle cells.
nerve cell		A specialised cell that can carry information from one place to another.
nerve tissue		Tissue made of nerve cells.
nervous system	<i>nerve-us</i>	Organ system that carries signals around the body.
organ system		Collection of organs working together to do a very important job.
root hair tissue		Tissue that helps roots get water out of the ground quickly. Tissue found in plant roots is made of root hair cells.
urinary system	<i>your-in-airee</i>	Organ system that cleans the blood and removes the wastes in urine.
water transport system		Collection of plant organs working together to carry water up a plant.
xylem tissue	<i>zy-lem</i>	Tissue that carries water in plants. It is found in stems and roots and is made of xylem cells.

7Ae – Transplants

Word	Pronunciation	Meaning
organ transplant		Taking an organ from one person to put it into another.