

9Da – Crime scenes/Forensic botany

Word	Pronunciation	Meaning
anther		Part of the male reproductive organ in a flower. It produces pollen grains.
botanist		A scientist who studies plants.
egg cell		The female sex cell.
filament		Part of the male reproductive organ in a flower. It supports the anther.
flowering plant		Plant with large, flat leaves. Reproduces using seeds found in fruits. Fruits and seeds form inside flowers.
forensic science		Using science to answer legal questions (such as 'who committed a crime?').
fruit		Something used to carry the seeds of flowering plants. Can be fleshy or dry.
gamete	<i>gam-meet</i>	Scientific word for sex cell.
germination	<i>jerm-in-ay-shun</i>	When a root and shoot start to grow out of a seed.
lifecycle		The series of changes in an organism as it gets older.
organ		A large part of a plant or animal that has a very important function. It is made from different tissues.
organ system		Collection of organs working together to do an important function.
ovary		Part of the female reproductive organ in a plant. It contains ovules, each of which contains an egg cell.
ovule	<i>ov-youl</i>	Contains an egg cell in plants. Found in the ovary.
ovum	<i>O-vum</i>	Scientific word for a female sex cell. Plural = ova.
pollen grain		The male sex cell in flowering plants.
pollen tube		Tube that grows from a pollen grain down through the stigma and style and into the ovary.
pollination		Transfer of pollen from an anther to a stigma.
risk assessment		A way of estimating the amount of risk involved in an activity and of taking steps to reduce the risk where necessary.
scavenger		An animal that feeds on animals that have already died.
seed		A part of a plant formed in flowers by sexual reproduction that can grow into a new plant.
seedling		A tiny plant, newly grown from a seed.
sexual reproduction		Producing new organisms by the joining of two sex cells.
stigma		Part of the female reproductive organ in a flower. It is where pollen lands.
style		Part of the female reproductive organ in a flower. It connects the stigma to the ovary.

9Db – Forensic entomology

Word	Pronunciation	Meaning
classification		Sorting things into groups.
food chain		A way of showing what eats what in a habitat.
innate behaviour		An automatic, inbuilt behaviour.
larva		The young of insects, which may look nothing like the adults. Plural = larvae.
physical environmental factor		The non-living conditions in the environment of an organism, for example temperature, light.
pupa	<i>pyou-pa</i>	Some insects have larvae that grow and then form a hard case around them (a pupa). The adult form of the insect then hatches out of the pupa.
response		Reaction to something.
social behaviour		How an animal communicates with or reacts to other animals of the same species.
stimulus		A change in the environment of something.

9Dc – Animal detectives

Word	Pronunciation	Meaning
learned behaviour		A behaviour that has been changed due to the experiences of the animal.
proboscis	<i>prob-oss-sis</i>	Tube that many insects use to suck up liquids, which they feed on.

9Dd – Forensic psychology

Word	Pronunciation	Meaning
impulse		An electrical signal carried by neurons.
nervous system		The brain, spinal cord and nerves. It uses impulses to communicate with and coordinate the actions of all parts of the body.
neuron	<i>nyour-on</i>	A nerve cell. It carries electrical signals called impulses around the body.
psychology	<i>sy-kol-oj-ee</i>	The study of human behaviour.
sense organs		Organs that detect changes in the surroundings of an organism (e.g. eyes, ears, nose, skin).
spinal cord		A large bundle of nerves that runs through the 'backbone' and up into the brain.

9Dd – Focus on: Different types of learning

Word	Pronunciation	Meaning
classical conditioning		When a new stimulus causes an innate response previously caused by a different stimulus.
ethology		The study of animal behaviour.
imprinting		A simple behaviour that is learned during a short 'window' of time in an animal's development.
sense organs		Organs that detect changes in the surroundings of an organism (e.g. eyes, ears, nose, skin).
trial and error learning		When animals learn to associate an action with a good or bad event by trial and error.

9Dd – Focus on: Memory

Word	Pronunciation	Meaning
neuron pathway		The route of impulses through a series of neurons in the brain.

9Dd – Court action

Word	Pronunciation	Meaning
criteria	<i>kry-tear-ee-a</i>	A set of rules that are used to judge how good or bad something is. Singular = criterion.