

7Ba – The scientific method

Word	Pronunciation	Meaning
data		The results from an experiment.
evidence		Data that is used to support an idea or to show that an idea is wrong.
extinct		No longer exists.
hypothesis	<i>hy-poth-es-sis</i>	An idea about how something works that can be tested using experiments.
observation	<i>ob-zer-vay-shun</i>	Something that you see happening.
prediction	<i>pred-ik-shun</i>	What you think will happen in a certain experiment.
reproduce		When organisms reproduce, they make more organisms like themselves.
scientific method		Sequence of steps in investigations that scientists use to suggest and test ideas, in order to explain their observations.

7Ba – Animal sexual reproduction

Word	Pronunciation	Meaning
egg cell		The female sex cell (gamete).
endangered	<i>en-dayn-jerd</i>	When a type of organism is in danger of ceasing to exist.
external fertilisation	<i>fert-ill-l-zay-shun</i>	When fertilisation happens outside the bodies of the parents.
fertilisation	<i>fert-ill-l-zay-shun</i>	Fusing of a male gamete with a female gamete.
fertilised egg cell	<i>fert-ill-l-zed</i>	What is produced when a sperm cell fuses with an egg cell.
fuse	<i>fewz</i>	When two things join together to become one.
gamete		A cell used for sexual reproduction.
internal fertilisation	<i>fert-ill-l-zay-shun</i>	When fertilisation happens inside the body of a parent.
offspring		The new organisms produced by reproduction.
parent		An organism that has produced offspring.
sex cell		Another word for a gamete.
sexual reproduction	<i>ree-prod-uck-shun</i>	Reproduction that needs two individuals to produce a new organism of the same type.
sperm cell		The male sex cell (gamete).

7Bb – Reproductive organs

Word	Pronunciation	Meaning
adapted		When something has special features that allow it to carry out its function.
bladder		Organ that stores urine.
cervix	<i>sir-vicks</i>	Ring of muscle at the bottom of the uterus in females.
cilia	<i>sil-lee-ah</i>	Small hairs on the surface of some cells.
circumcision	<i>sir-cum-siz-shun</i>	Removal of the foreskin.
Fallopian tube		Another term for 'oviduct'.
foreskin		A covering of skin protecting the head of the penis.
function		Something's job.
glands		Special tissues that make and release substances. The glands in the male reproductive system add a special liquid to the sperm cells to make semen.
menopause	<i>men-O-paws</i>	When the ovaries in women stop releasing egg cells.
ovary	<i>O-very</i>	Female reproductive organ. Produces egg cells.
oviduct		Carries egg cells from the ovaries to the uterus in females. Fertilisation happens here.
puberty		Time during which big physical changes happen in the body.
reproductive organs		Organs used in sexual reproduction.
reproductive system		All the reproductive organs.
scrotum	<i>scrow-tum</i>	Bag of skin containing the testes in males.
semen	<i>see-men</i>	Mixture of sperm and special fluids released by males during ejaculation.
sperm duct		Tube that carries sperm cells from the testes to the urethra.
testis		Male reproductive organ. Produces sperm cells. Plural = testes.
urethra	<i>you-ree-thra</i>	Tube that carries sperm cells from the testes and urine from the bladder.
uterus	<i>you-ter-ous</i>	Organ in females in which a baby develops.
vagina	<i>vaj-eye-na</i>	Tube in females leading from the cervix to the outside. The penis is placed here during sexual intercourse.

7Bc – Becoming pregnant

Word	Pronunciation	Meaning
amnion		Bag containing amniotic fluid.
amniotic fluid		Liquid surrounding the growing embryo and protecting it.
ejaculation	<i>edge-ack-you-lay-shun</i>	When semen is pumped out of a man's penis.
embryo	<i>em-bree-O</i>	Tiny new human life that grows by cell division from a fertilised egg cell.
erection		When the penis becomes stiff.
implantation	<i>im-plant-ay-shun</i>	When an embryo sinks into the lining of the uterus.
placenta	<i>plas-en-ta</i>	Attached to the uterus wall, this takes oxygen and food out of the mother's blood and puts waste materials into the mother's blood.
pregnant		When a female animal has an embryo growing inside her uterus.
sexual intercourse		Or 'making love', 'having sex', during which semen is ejaculated into the end of the vagina.
umbilical cord	<i>um-bill-ick-al</i>	Carries food, oxygen and waste between the placenta and the growing embryo or fetus.

7Bd – Making notes

Word	Pronunciation	Meaning
IVF		A procedure in which egg cells are taken from a woman and fertilised in a dish outside the woman's body. The embryo develops and is then placed inside her.
sperm count		The number of sperm cells in a certain volume of semen.
surrogate mother		A human or animal in whose uterus an embryo grows but which is not an embryo made using one of her egg cells.
test-tube baby		Baby born using IVF.

7Bd – Gestation and birth

Word	Pronunciation	Meaning
afterbirth		When the placenta is pushed out through the vagina after the baby has been born.
antibodies		Substances produced by white blood cells that help to fight micro-organisms that might cause diseases.
contractions	<i>con-track-shuns</i>	The uterus muscles squeezing.
fetus	<i>fee-tus</i>	An embryo is known as a fetus once it has developed a full set of organs.
gestation period	<i>jess-tay-shun</i>	The length of time from fertilisation to birth.
labour		Labour starts when contractions start in the uterus and ends when the afterbirth has come out.
mammary glands		Glands contained in the breasts of women that produce milk after childbirth.
navel	<i>nave-ell</i>	Scar left by the cord. Often called the 'belly button'.
ultrasound scan		An ultrasound scanner uses sound to create a picture of what is inside someone's body.

7Be – Growing up

Word	Pronunciation	Meaning
puberty	<i>pew-ber-ty</i>	Time when big physical changes happen in the body.
sex hormones	<i>hor-moans</i>	Natural chemicals released in our bodies that control the menstrual cycle and puberty.
acne	<i>ack-nee</i>	Spots on the skin.
adolescence	<i>add-ol-less-sense</i>	Time when physical and emotional changes occur in teenagers.
menstrual cycle	<i>men-strew-al</i>	Series of events lasting about a month, happening in the female reproductive system. The cycle causes ovulation and the lining of the uterus is replaced.
menstruation	<i>men-strew-ay-shun</i>	When the lining of the uterus and a little blood pass out of the vagina as part of the menstrual cycle.
ovulation	<i>ov-you-lay-shun</i>	Releasing of an egg cell from an ovary.
lifecycle		The series of changes in an organism during its life.