

8La – Changing ideas

Word	Pronunciation	Meaning
Earth		The planet we live on.
Moon		The Moon (with a capital M) is the moon that orbits the Earth.
model		A way of showing or representing something that helps you to think about it or to find out about it.
orbit		The path that a planet takes around a star, or the path that a moon or satellite takes around a planet.
planet		A large object orbiting a star. The Earth is a planet.
Solar System		A star with planets and other objects orbiting around it.
star		A huge ball of gas that gives out energy – we see some of the energy as light.
Sun		The star that the Earth orbits.

8La – Gathering the evidence

Word	Pronunciation	Meaning
elliptical	<i>e-lip-tick-al</i>	oval-shaped
moon		A natural satellite of a planet.
phases of the Moon		The different shapes the Moon seems to have at different times.

8Lb – Seasons

Word	Pronunciation	Meaning
Equator	<i>ee-kwate-er</i>	An imaginary line around the middle of the Earth.
hemisphere	<i>hem-ee-sfear</i>	Half of a sphere – the shape you would get if you cut a solid ball in half.
northern hemisphere		The half of the Earth with the North Pole in it. The UK is in the northern hemisphere.

8Lc – Magnetic Earth

Word	Pronunciation	Meaning
attract		Two things pulling towards each other.
compass		A magnetised piece of metal that can swing around. One end always points north.
field		The volume around something where a non-contact force can affect things. Examples are magnetic fields and gravitational fields.
field lines		Lines drawn to show which way a magnetic field acts.
magnetic field		The space around a magnet where it can affect magnetic materials or other magnets.
north-seeking pole		The end of a magnet that points north if the magnet can move freely. Often just called the north pole.
repel		Push away.
south-seeking pole		The end of a magnet that points south if the magnet can move freely. Often just called the south pole.

8Lc – Gravity and the Solar System

Word	Pronunciation	Meaning
artificial satellite		A satellite made by humans.
gravitational field		The space around the Earth where the Earth's gravity affects things.
gravitational field strength		The force with which a gravitational field pulls on each kilogram of mass. The gravitational field strength ('g') on Earth is approximately 10 N/kg.
gravity		The force of attraction between any two objects. The Earth is very big and so has strong gravity that pulls everything down towards it.
natural satellite		A satellite that has not been made by humans. The Moon is a natural satellite of the Earth.
satellite		Anything that orbits a planet or a moon.
weight		The amount of force with which gravity pulls things. It is measured in newtons (N). Your weight would change if you went into space or to another planet.

8Ld WS – Making comparisons

Word	Pronunciation	Meaning
percentage		'Per cent' means 'out of 100'. A percentage is a way of comparing things to 100.

8Le – Beyond the Solar System

Word	Pronunciation	Meaning
constellation	<i>con-stell-ay-shun</i>	A pattern of stars. The stars in a constellation are not usually close together, they only appear to be close when seen from the Earth.
galaxy		Millions of stars grouped together.
light year		The distance that light travels in one year.
Milky Way		The galaxy that our Solar System is in.
Universe	<i>you-nee-verse</i>	All the galaxies and the space between them.