

Structure of the earth		
	Name the four rock layers of the earth	Crust, mantle, outer core and inner core
	What is rock?	A solid material often made from a mixture of different minerals
Sedimentary rock		
	Name two sedimentary rocks	Limestone and sandstone
	What are the properties of sedimentary rocks?	Grains that can be seen with a hand lens, porous and soft
	How are sedimentary rocks made?	weathering, erosion, deposition, compaction and cementation.
Igneous and metamorphic rocks		
	Name two igneous rocks	Granite, obsidian, pumice, rhyolite
	Name two metamorphic rocks	Marble, slate
	How are igneous rocks made?	When lava cools and freezes
	What determines crystal size in igneous rocks?	The speed of cooling. Slow cooling makes big crystals.
	How are metamorphic rocks made	When heat and pressure transform one rock type into another
The rock cycle		
	What is the rock cycle	The process that turns one rock type into another
Ceramics		
	How are ceramics made?	By heating clay to a high temperature
	What is clay	A mineral that has been weathered down to tiny pieces
	What are the properties of ceramics?	Hard, brittle, very high melting points, insulators of electricity and chemically unreactive.
The night sky		
	What is a planet?	A large object orbiting a star
	What is a satellite?	An object orbiting a planet
	What is the Milky Way?	The galaxy we live in, one of billions in the universe
	What is a light year?	A measure of distance, how far light will travel in one year.
The Solar System		
	Name the eight planets in order – starting from the sun	Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus and Neptune
	Which planets are rocky?	Mercury, Venus, Earth and Mars
	Which planets are gas giants?	Jupiter and Saturn
	Why have we not visited any other planets?	They are too far away
The Earth		
	Describe the orbit and rotation of the earth	The Earth orbits the sun in one year and spins on its axis every 24 hours
	What causes the sun, moon and stars to move across the sky?	Earth spinning on its axis
	What feature of the Earth's rotation causes seasons?	Earth's axis of rotation is tilted by 23°
The Moon		
	Name three phases of the moon	New, crescent, gibbous, full, first/third quarter
	Describe the orbit of the moon	It takes one month to orbit the earth. It also takes one month to spin on its axis.
Models of the Solar System		
	Describe the difference between the heliocentric model and geocentric model of the solar system	The heliocentric model places the sun at the centre with the planets going around it. The geocentric model placed the earth at the centre with everything revolving around it.
	What evidence disproved the geocentric model?	The phases of Venus and the moons of Jupiter