



Section 1: Key Vocabulary	
Key Word	Definition
Pressure	Created whenever a force is applied over an area
Force	A push or pull acting upon an object
Gas Pressure	The force that the gas exerts on the walls of its container
Pascal	The unit of pressure
Newton	The unit of force
Gravity	A force that attracts objects towards each other
Mass	The mass of an object is the amount of matter or 'stuff' it contains
Weight	The force of gravity pulling on an object
Satellite	Any object that is in orbit around a planet
Season	Is a period during the year linked to temperature and daylight
Solar System	Consists of the Sun surrounded by planets, comets and asteroids in orbit.
Surface Area	A measure of how much exposed area a solid object has
Orbit	The path of a planet or satellite around a central object
Axis	The imaginary line down the centre of the Earth that it spins around

Section 2: Quick Questions	
How do we calculate pressure?	Pressure = Force ÷ Area
How can we, and why would we, increase pressure?	By decreasing the surface area so an object will cut into another surface e.g. a knife
How can we, and why would we, decrease pressure?	By increasing the surface area so an object does not sink into a surface e.g. snow shoes
What causes gas pressure?	Each time a gas particle collides with the wall of its container it creates gas pressure
Why do we have seasons?	The Earth's axis is tilted, meaning the hemispheres are closer or further away at different times of the year
Why do we have night and day?	The Earth spins on its axis
What do we use artificial satellites for?	For spying, weather forecasting, global positioning, mapping, broadcasting
What is the order of the planets in the Solar System?	Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune
What is the difference between mass and weight?	Mass is the amount of stuff, measured in kilograms, whilst weight is the force pulling it down measured in newtons

Section 3: Helpful Diagrams

Section 4: Video Links