



Structure of the Earth 1

- The Earth is made of layers.



The cores, mantle and crust are made of rocks.

- Rocks are made of **minerals**.

Types of Rock 2

- The 3 types of rock are: igneous, sedimentary and metamorphic.
- Igneous** rocks are made when lava cools down.
- Sedimentary** rocks are formed from layers of sediment.
- Sedimentary rocks can contain **fossils**.
- Metamorphic** rocks are formed because of heat and pressure.

Weathering & Erosion 3

- Weathering**: the wearing down of rock by **physical**, **chemical**, or **biological** processes.
- Erosion**: the movement of rock by water, ice or wind.

The Rock Cycle 4

- A sequence of processes where rocks change from one type to another.
- Processes include:
 - Weathering
 - Erosion
 - Heat
 - Pressure
 - Melting
 - Compaction
 - Cementation

The Solar System 5

- Modelled as planets rotating while **orbiting** the Sun
- Our solar system is a tiny part of a galaxy.
- Light takes minutes to reach Earth from our sun.
- Light takes 4 years to reach Earth from the next nearest star.

Keywords 6

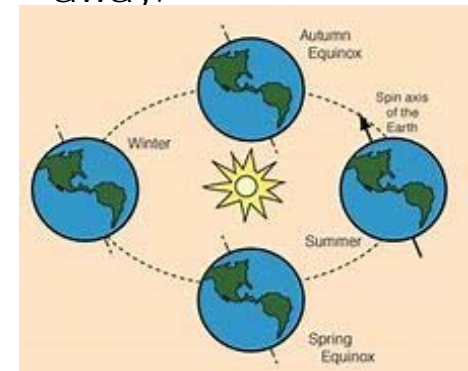
- Galaxy**: collection of stars held together by **gravity**.
- Light year**: the distance light travels in a year
- Stars**: bodies that give out light
- Orbit**: path taken by a planet or star when they move around a larger body.

Day/Night, Years 7

- Day and Night is caused by a planets rotation.
- 1 whole day = 1 complete **rotation** of the planet.
- Years are caused by the planet orbiting the sun.
- 1 year = 1 complete orbit of the sun.

Seasons 8

- The tilt means that over the course of a year, part of the planet is closer to the sun and then further away.





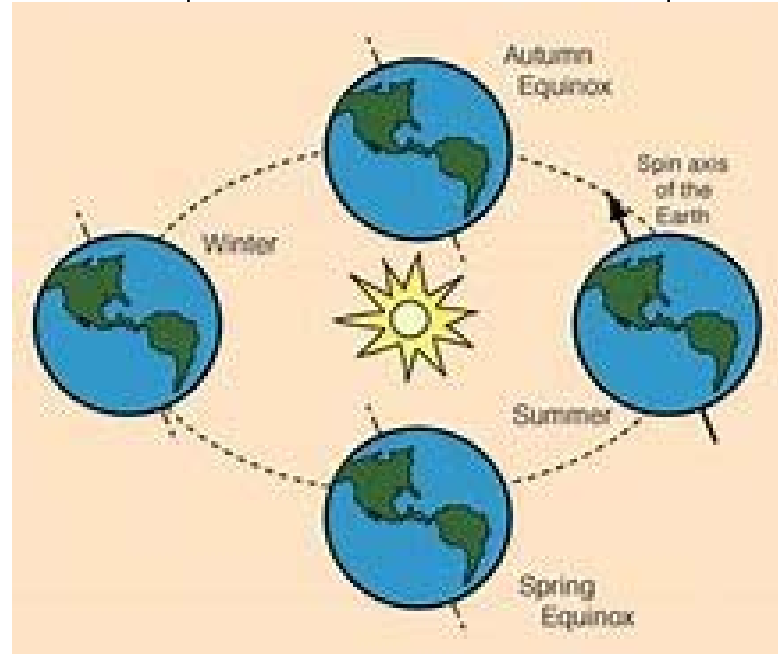
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