

# Earth

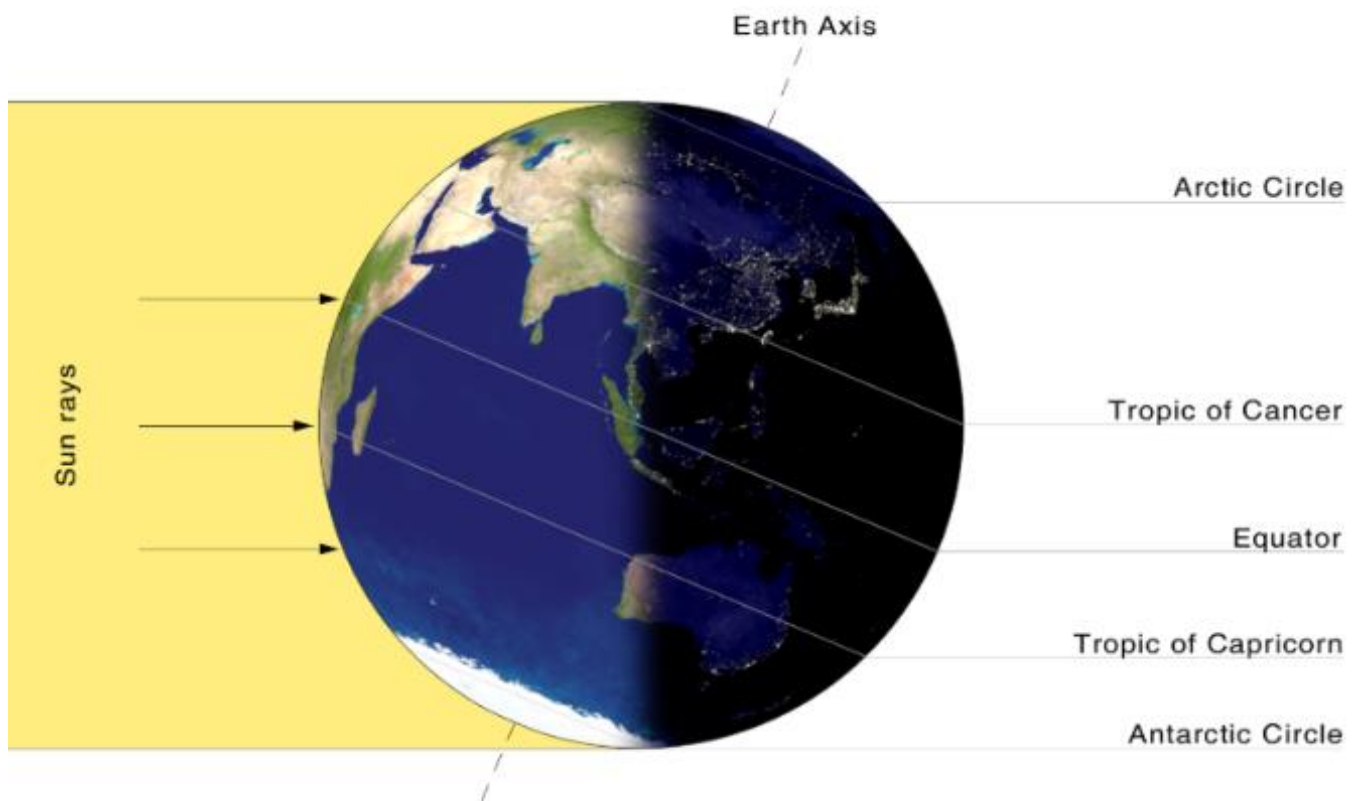
## 2. Universe

### CONCEPT 1

#### THE EARTH IN SPACE

##### NOTES

The Earth spins on an axis (23 degrees), it takes 24 hours for the Earth to spin once around its axis. We experience periods of light and dark (day and night) on the Earth. This due to the fact that half of the Earth is facing the Sun during daylight and half of the Earth is facing away from the Sun during night time.



The Earth orbits around the Sun, it takes 365 days for the Earth to travel once around the Sun. As the Earth's axis is tilted we experience different seasons. The Earth receives more sunlight at different times as it travels around the Sun. People who live in the top half of the Earth will experience summer when the Earth is tilted towards the Sun and experience winter when tilted away from the Sun.

The United Kingdom is in the top half of the Earth above the equator. This means that the UK experiences Summer when tilted towards the sun and winter when tilted away. During spring time, the days begin to get longer and during Autumn the days get shorter.

Because the Earth is spinning on its axis it appears that the Sun moves through the sky during the day. The Sun appears to move from East to West due to the Earth's spin (West to East). A good way to remember which way the Earth spins is WE SPIN, where WE represents West to East.

The length of a day during the year changes unless you live on the equator. Daytime is longest in the summer and shortest in the winter. This occurs because in winter, the Sun does not climb so high in the sky as it does in the summer.