

Seasons

(Produced by Kristine Cummins, Fall 2014)

23.5 degree tilt causes the different hemispheres to be at different angles to the sun at different times of the year.

Equinox and Solstice - opposite seasons / opposite hemispheres.

MARCH 21 EQUINOX (equal)	JUNE 21 or 22 SOLSTICE	SEPT 22 or 23 EQUINOX (equal)	DEC 21 or 22 SOLSTICE
No. Hemisphere Spring	No. Hemisphere Summer	No. Hemisphere Autumn	No. Hemisphere Winter
Within the Arctic Circle 12-hours sunlight, 12-hours darkness	Within the Arctic Circle 24 hours of sunlight 0 hours of darkness	Within the Arctic Circle 12-hours sunlight, 12-hours darkness	Within the Arctic Circle 0 hours of sunlight 24 hours of darkness
Tropic of Cancer 12-hours sunlight, 12-hours darkness	Tropic of Cancer 12-hours sunlight, 12-hours darkness <u>direct sunlight</u>	Tropic of Cancer 12-hours sunlight, 12-hours darkness	Tropic of Cancer Much less than 12-hr sun Much more than 12-hr dark
Equator 12-hours sunlight, 12-hours darkness <u>direct sunlight</u>	Equator Less than 12-hr sun More than 12-hr dark	Equator 12-hours sunlight, 12-hours darkness <u>direct sunlight</u>	Equator Less than 12-hr sun More than 12-hr dark
Tropic of Capricorn 12-hours sunlight, 12-hours darkness	Tropic of Capricorn Much less than 12-hr sun Much more than 12-hr dark	Tropic of Capricorn 12-hours sunlight, 12-hours darkness	Tropic of Capricorn 12-hours sunlight, 12-hours darkness <u>direct sunlight</u>
Within the Antarctic Circle 12-hours sunlight, 12-hours darkness	Within the Antarctic Circle 0 hours of sunlight 24 hours of darkness	Within the Antarctic Circle 12-hours sunlight, 12-hours darkness	Within the Antarctic Circle 24 hours of sunlight 0 hours of darkness
So. Hemisphere Autumn	So. Hemisphere Winter	So. Hemisphere Spring	So. Hemisphere Summer