

Earth/Sun Relationships

>>Earth/Sun relationships influence the amount of sunlight received.

>>The amount of sunlight received influences temperature.

>>Temperature is part of climate formation.

>>Temperature influences moisture.

>>Moisture + temperature + hours of sunlight influence all life on earth.

1. EARTH MOVEMENTS and POSITIONS:

rotation (on axis)

revolution (around the sun)

inclination (tilted at $23\frac{1}{2}^\circ$)

parallelism (axis is always parallel to itself)

2. ASTRONOMICAL VARIATIONS:

cycle duration (eccentricity of orbit)

tilt variation (from present $23\frac{1}{2}^\circ$)

precession (wobble)

3. SOLAR VARIATIONS:

sunspot activity (brightness/heat)

ultraviolet rays

(ozone increases with sunspot activity)

solar wind

(influences cloud formation and rainfall)