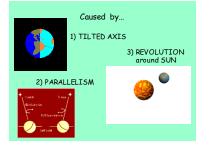
- I can explain why we get different seasons
- I can describe what would happen if the Earth's tilt changed
- I can fill out the seasons chart







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EARTH' S TILT • Rotational Axis is tilted at an angle of <u>23.5°</u> -Reason sun shifts between 23 $\frac{1}{2}$ ° N and 23 $\frac{1}{2}$ ° S —If the tilt was $\frac{1}{2}$ degree <u>BIGGER</u> or

<u>SMALLER</u> we would BURN or FREEZE to death



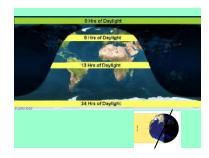
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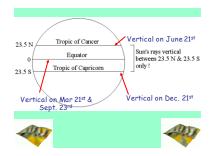












Time of year	Sun is Directly above	NYS hours of daylight	Equator hours of daylight	N. Pole hours of daylight	S. Pole hours of daylight	Sun's altitude in NYS
Summer Solstice 6/21	Trepic -4 Cance (23.51	N Pole			0	71.5°
Fall Equinox 9/23	Equation (0°)	K		o° Sun's	12	48*
Winter Solstice 12/21	Tropic Caprica (23.5%	K	Ø	rays ←	24	24.5°
Spring Equinox 3/21	Equator (0°)	12	S Pole	12	12	48°

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