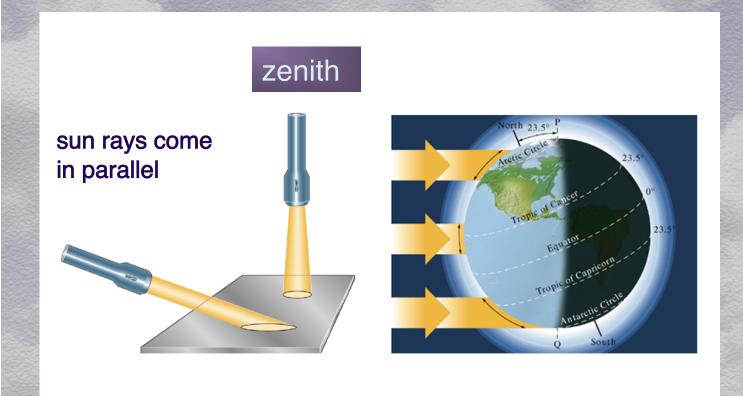
insolation per area:
lower at poles
higher at equator

insolation per area: 2.4 times lower at poles than at equator



Marshak: Earth, Portrait of a Planet

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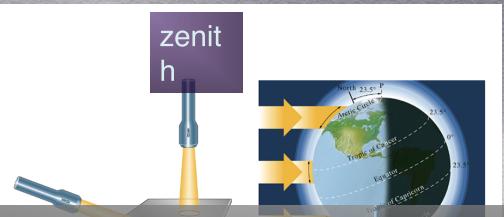
2) Earth's rotation axis is tilted 23.5°



3) summer: axis tilted so that N pole facing sun



4) winter: axis tilted so that N pole away from sun



5) if summer in N. hemisphere-> winter in S. hemisphereand vice versa

Northern Summer

Northern Winter





- 1) Earth's rotation axis is tilted
- 2) tilted axis orbits Sun
- sun in zenith at different times (+/- 23.5° N/S)

