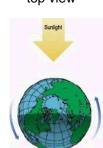
Earth Motions Topic:

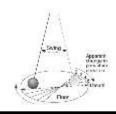
Aim: Earth Motion #1: ROTATION!

- Rotation spinning on an axis
- Earth takes 24 hours to complete one rotation (ESRT page 15)
- 3. Earth's rate of rotation = 15°/hour' from the west to the east (counterclockwise from top view)





- 4. causes day and night changes
 - example: daily rising and setting of the Sun
- 5 Evidence #1 Foucault Pendulum a swinging pendulum appears to change direction in a predictable manner



6. Evidence #2 – Coriolis Effect winds/ocean currents deflect (bend) from their expected path

Earth Science Reference Tables Page 4 - Surface Ocean Currents Page 14 - Planetary Wind and Moisture Belts