**Rotation of the Earth**

Rotation – when something **spins around an axis**

- **Rotating Tops**
- **Rotating Tornadoes**
- **Rotating Earth**

## Proof the Earth Rotates

### Star Trails
Photos of stars made with time exposure cameras show circular paths of star trails proving the Earth is rotating.

### Winds Curve
The winds on the Earth curve proving the Earth is rotating.

### Ocean Currents
Ocean currents curve **clockwise in the northern hemisphere** and curve **counterclockwise in the southern hemisphere** proving the Earth is rotating.

### Pendulums Swing and Change Direction
Pendulums swing and change direction proving the Earth is rotating.

## Facts about the Rotation of the Earth

- **Rotation causes Day and Night**
  - 1 Rotation of the Earth on its axis every 23 hours 56 minutes
  - Earth’s axis is tilted on a 23.5 degree angle
  - Earth is tilted in direction of NORTH STAR
    - North Star = Polaris

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