

## Earth's Rotation

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↓  
**SUNLIGHT**  
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- › The Earth's axis is tilted \_\_\_\_\_ compared to its orbit
- › The Earth makes one complete rotation every \_\_\_\_\_
- › The Earth rotates from \_\_\_\_\_
- › This means we are rotating at a rate of \_\_\_\_\_
- › Because the Earth is rotating, objects in the sky appear to move from \_\_\_\_\_
- › This is called \_\_\_\_\_
- › The Sun appears to rise in the \_\_\_\_\_ and set in the \_\_\_\_\_
- › At night, the stars appear to move across the sky from \_\_\_\_\_.
- › This is what you will see from NY State facing different directions over the course of several hours (star trails):

EAST	SOUTH	WEST	NORTH

- › Evidence supporting the idea that the Earth rotates includes \_\_\_\_\_
- › The Coriolis Effect states that objects are deflected to the \_\_\_\_\_ in the Northern hemisphere and to the \_\_\_\_\_ in the Southern hemisphere.
- › The Foucault Pendulum swings \_\_\_\_\_ while the \_\_\_\_\_

**ALL \_\_\_\_\_ CHANGES ARE A  
RESULT OF THE EARTH'S \_\_\_\_\_ !!!**