

Rotation and Revolution

Name: _____

Science-8, Period: _____

Date: _____

Questions:

Rotation

- Earth _____ on axis
- _____ as seen from North Pole

Rotation – _____

- Earth's Axis – imaginary line passing through Earth's Center from N to S pole
- Earth is _____ at an angle of 23.5°
- axis always pointed at _____
- once every _____
- causes _____ & _____

Revolution

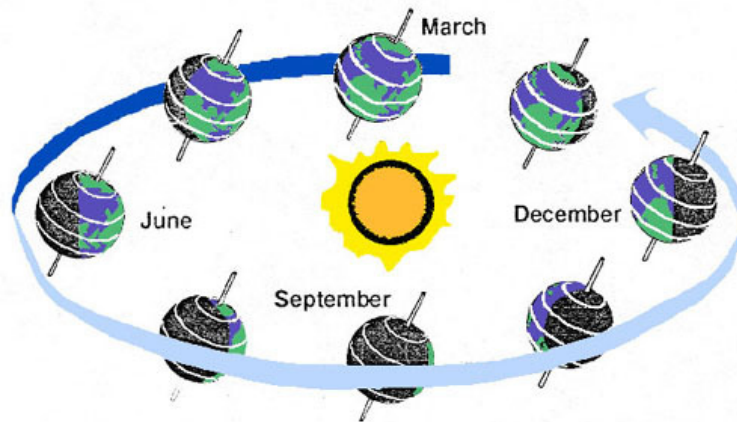
- movement of one object _____ another
- Earth revolves around the _____
 - _____
 - _____ orbit
 - takes a _____

Rotation or Revolution?

- The Earth spinning on it's axis.
- A baseball player running around the infield.
- Takes 1 year
- A top spinning
- Causes day and night.
- Takes 24 hours
- The moon circling the Earth

Summary:

Seasons – occur due to the _____ of Earth's axis



- Northern hemisphere tilts towards Sun =
- Northern hemisphere tilts away from Sun =
- Northern hemisphere neither tilted toward/away from Sun =
- Southern hemisphere seasons _____ Northern hemisphere seasons
- If its Winter here, then Australia is having _____.

Solstice

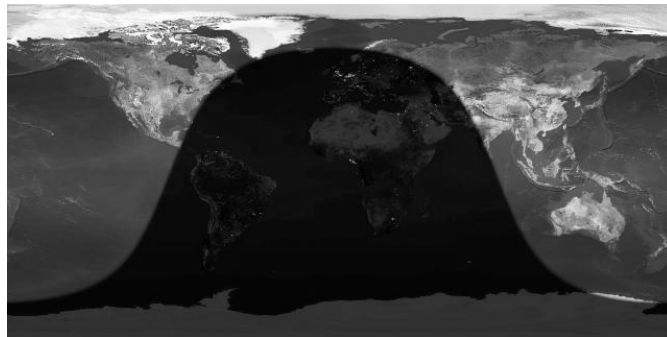
- Once/year – sun directly over 23.5° N of _____ (tropic of Cancer)
 - _____ solstice
 - _____ day
- Once/year – sun directly over 23.5° S of _____ (tropic of Capricorn)
 - _____ solstice
 - _____ day

Summary:

Equinox

- means _____ night & day
- _____/year
- _____ between solstices
- Neither hemisphere _____ towards or away from Sun
- _____ sun directly over equator
- _____ & _____

Based on this Night and Day Map...



- What season do you think it is in Carrollton?
- What time do you think it is in Carrollton?

Summary: