

Topic:

Earth Motions

Aim:

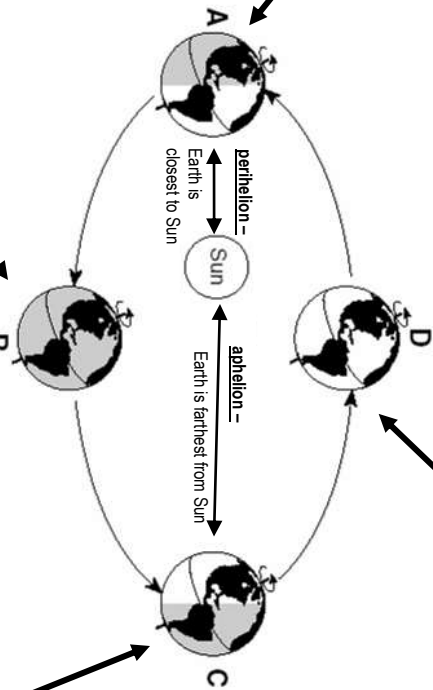
What causes seasonal changes on the Earth?

A
DECEMBER 21

- Earth's North Pole tilted away from Sun
- Winter Solstice (1st day of winter)
- Shortest daylight hours

D
SEPTEMBER 23

- Autumnal Equinox (1st day of fall)
- Equal hours of day and night
- 12 hours daylight / 12 hours nighttime



- Seasons are caused by:
1. Earth's revolution
 2. Earth's 23 1/2 ° tilt
 3. parallelism of polar tilt
 - Earth's North Pole always points toward the same direction in space

B
MARCH 21

- Vernal Equinox (1st day of spring)
- 12 hours daylight / 12 hours nighttime

G
JUNE 21

- Earth's North Pole tilted toward Sun
- Summer Solstice (1st day of summer)
- Longest daylight hours