

SUBJECT: (GEOGRAPHY)

CHAPTER NUMBER: 3 PERIOD-1

CHAPTER NAME: MOTIONS OF THE EARTH

CHANGING YOUR TOMORROW

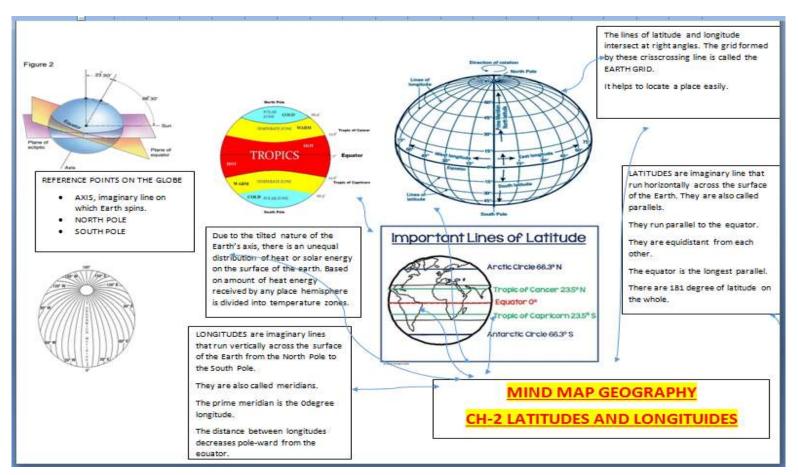
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RECAPITULATION OF CH-2





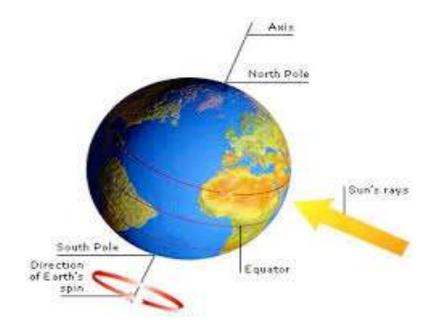
LEARNING OBJECTIVES

- Rotation
- Effects of the earth's Rotation
- Revolution
- Earth's Orbit
- Seasons
- Solstice- Summer and Winter Solstice
- Equinoxes- Spring and Autumn Equinox



ROTATION OF THE EARTH

- The Earth rotates on its axis from west to east. This spinning of the earth around its own axis is known as rotation.
- The Earth takes about 24 hours to complete one rotation. One rotation makes an Earth day or Solar day.





EFFECTS OF THE EARTH'S ROTATION

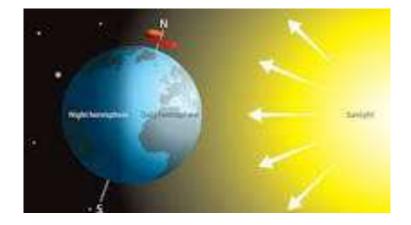
- The rotation of earth causes:
- Day and Night
- Bulging of the earth at the equator, and flattening at the poles.
- The deflection (pushing away from the straight path) of winds and ocean currents.
- Tides(the alternate rise and fall of the oceans due to the gravity of the moon and the sun, and the rotation of the earth)
- The apparent movement of all the heavenly bodies from the east to west.



ROTATION

- Day and night caused by the rotation of the Earth.
- The line separates the lighted half from the darker half of the earth is called the circle of illumination.
- Stages of the Earth's rotation:- Dawn, sunrise, mid-day, sunset, dusk and mid night and then dawn again.
- Dawn:- it is that time of day just before sunrise, when the eastern horizon starts getting lighter.
- Dusk or twilight:- It is just after the Sun sets in the west.

https://www.youtube.com/watch?v=hWkKSkl3gkU





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