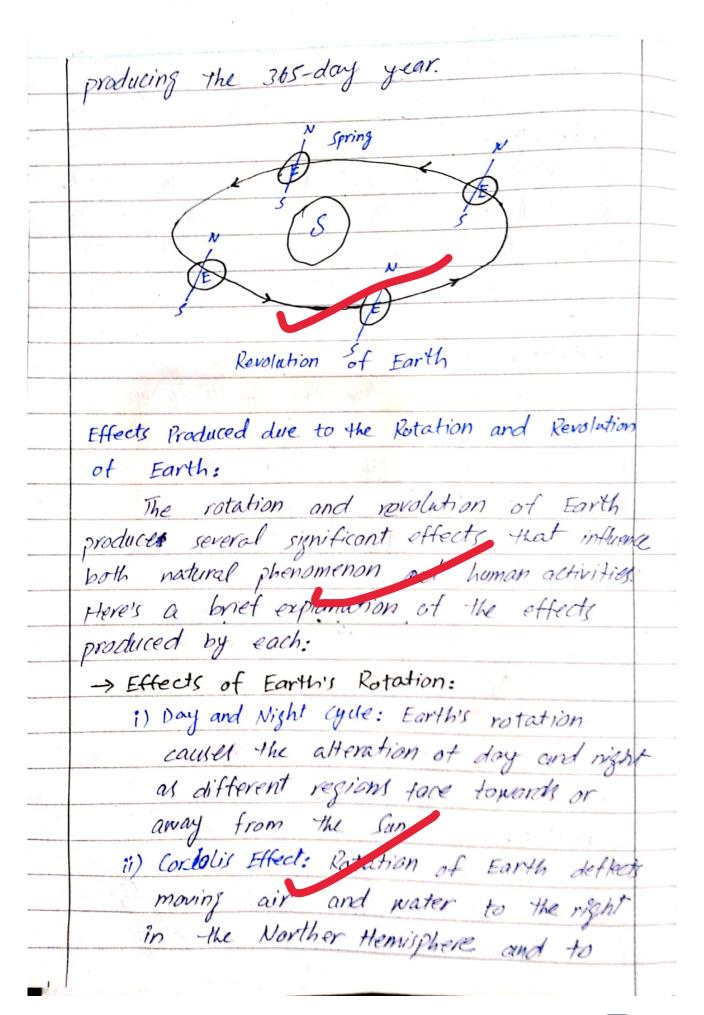
Briefly explain what effects are produced due to the rotation and revolution of Earth. Introduction: Rotation and Revolution are phenomena associated with celestial objects, including Farth Understanding these phenomen is usential to grasp their various effect. Rotation: Rotation refers to an object's spinning motion about its own axis. For example, Earth rotates on its own axix, producing the 24-hour day. Dorg Sun Aziz right Rotation of Earth Revolution: Revolution refers to the object's orbital motion around another object. For

example, Earth revolves about the Sun,



the left in the Southern Hemisphere, influe ncing wind and ocean currents. 平 iii) Time Zones: Earth's rotation divides the globe into time zones, with each 15-degree segment representing one-hour time difference iv) Tidal Forces: Rotation effects the timing and height of tides caused by the gravitational pull of the Moon and the Sun. v) Circodian Rythms: The ight-dark cycle from Earth's rotation regulates the biological clocks of living organisms. -> Effects of Earth's Revolution: i) seasons: The tilt of Earth's axis (approximately 23.5 degrees) and its revolution around the sun cause seasonal changes by varying sunlight intensity and duration. ii) Variation in Day Length: Day and night lengths change throughout the year due to Earth's axial tilt and elliptical

orbit. iii) Solor Declination: Earth's revolution causes the Sun's apparent movement between the Tropic of Cancer and Track of Capricon, affecting climate and weather. iv) Annual Climate Patterns: Earth's position in its orbit influences long-term weather and climate patterns, such as moonsoon seasons. v) Constallation Visibility: Inflerent constellations become visible at different times of year due to Earth's orbit around the Sun. Corclusion: In summary, Earth's rotation primarly affect le oily y cle and amospheric dynamics while Earth's resolution is responsifor the seasons changes and longble dimatic patterns. Good structure and presentation! But the answer is lengthy and can affect your time management

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