Primary Systems

The constant wind cycles of Duskara are a direct result of its tidally locked state. These unyielding currents flow between the scorching day side and the frozen night side, driving weather patterns that include superstorms within the twilight belt. The winds also play a crucial role in distributing seeds, spores, and lightweight organisms, ensuring the vitality of wind-dependent ecosystems.

Water, concentrated primarily within the twilight belt, cycles through precipitation, rivers, and underground aquifers. Ice harvested from the night side replenishes this cycle, sustaining settlements and flora. Periodic storms redistribute water across the habitable zone, making them a critical aspect of the planet’s hydrology.

Heat distribution via atmospheric convection moves warmth from the day side to cooler regions, creating thermal updrafts that influence weather and provide energy for certain life forms. Below the surface, extensive aquifer networks connect to geothermal sources, forming pockets of liquid water even in frozen zones. These underground reservoirs support unique ecosystems reliant on the heat and nutrients provided by geothermal vents.

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