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Student:

Phase Transitions - Sublimation

Your task is to read about Sublimation. Once you have read about it online or from an encyclopedia read the following question:

Mars has a much colder climate compared to Earth, and its atmosphere contains a significant amount of carbon dioxide (CO₂). At certain times of the Martian year, CO₂ can even freeze at the poles, forming a layer of dry ice (solid CO₂).

A robotic lander on Mars is observing the seasonal changes at one of the Martian poles. During the Martian spring, the lander records temperatures rising and notes the dry ice just vanishes. Where did it go?