

Dragonfly Mission

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About Dragonfly Mission

- It is a “dual quadcopter” designed to fly across the **surface of Titan**, Saturn’s largest moon.
- It will explore a variety of locations on **Saturn’s moon Titan**.
- It will spend most of its time on the **moon’s surface** making science measurements.
- It will use a **radioisotope power system** like the Curiosity rover on Mars.
- Its flights, data transmission and most science operations will happen **during the day**, and it will have a lot of time to recharge during night on Titan.
- It is a rotorcraft, targeted to arrive at Titan in 2034, will fly to dozens of promising locations on the moon, looking for **prebiotic chemical processes** common on both Titan and the early Earth **before life developed**.
- It marks the **first time NASA** will fly a vehicle for science on another planetary body. The rotorcraft has eight rotors and flies like a large drone.

Key facts about Titan

Titan is Saturn's largest moon, Titan has an earthlike cycle of liquids flowing across its surface. It is the only moon with a thick atmosphere.

Q1: What is Prebiotic chemistry?

It is the study of how organic compounds formed and self-organized for the origin of life on Earth and elsewhere.

Source: [NASA says its futuristic Dragonfly mission will launch in 2028](#)

Source: <https://vajiramandravi.com/current-affairs/dragonfly-mission/>

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