



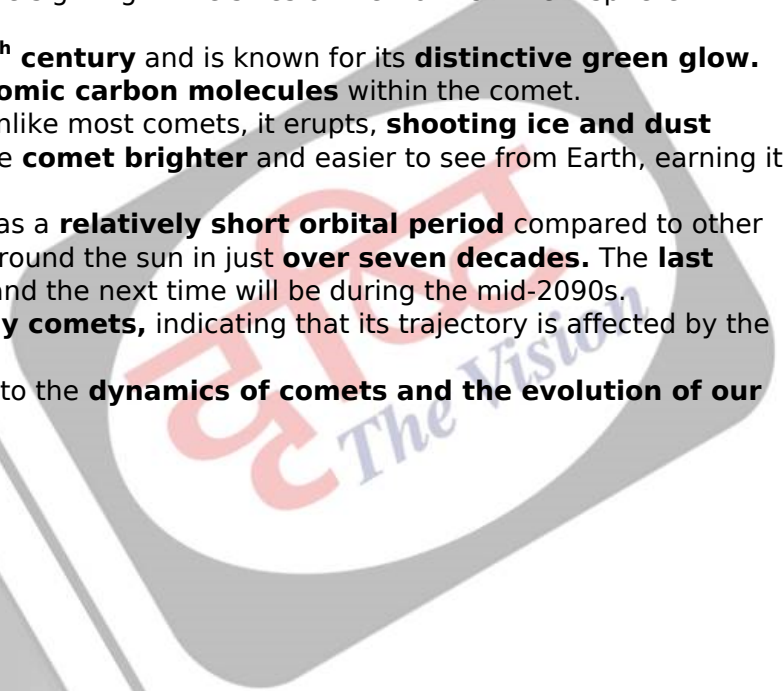
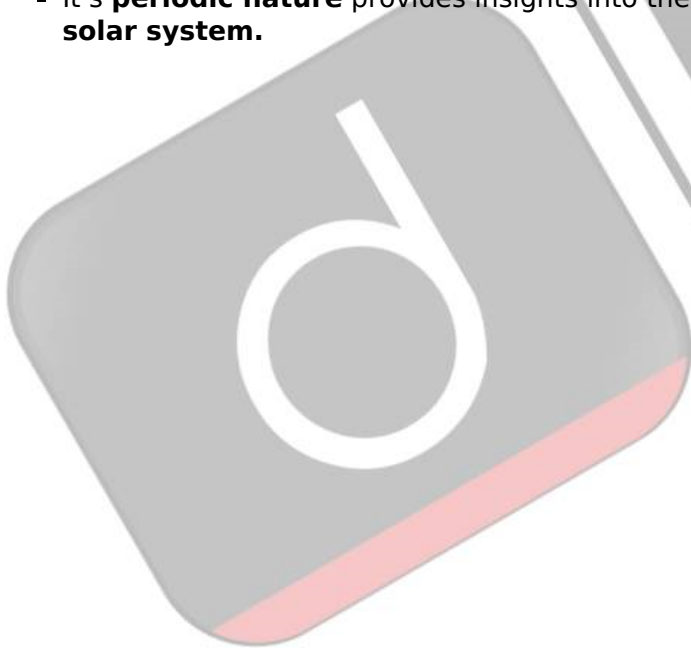
Mother of Dragons Comet

[Source: TOI](#)

The celestial phenomenon known as the "**Mother of Dragons**" comet, formally designated as **Comet 12P/Pons-Brooks**, is currently undergoing a rare sighting in the skies of the Northern Hemisphere.

- It was **first discovered** in the **early 19th century** and is known for its **distinctive green glow**. This hue is due to the **presence of diatomic carbon molecules** within the comet.
- It stands out for its **volcanic activity**. Unlike most comets, it erupts, **shooting ice and dust from its core**. These outbursts make the **comet brighter** and easier to see from Earth, earning it the nickname "**Mother of Dragons**."
- It is a **Halley-type comet**, meaning it has a **relatively short orbital period** compared to other comets, and it completes a single orbit around the sun in just **over seven decades**. The **last time** it passed by **Earth was in 1954**, and the next time will be during the mid-2090s.
- It falls into the category of **Jupiter-family comets**, indicating that its trajectory is affected by the gravitational force of Jupiter.
- It's **periodic nature** provides insights into the **dynamics of comets and the evolution of our solar system**.

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What is a....?

Comet

A comet is a mass of ice, rock, and dust, and often has a tail that is made up of dust and other materials.



Asteroid

An asteroid is made up of metallic or non-metallic rocks, and orbits the sun. They can range in size from a few centimeters wide to almost a thousand kilometers across!



Meteoroid

Meteoroids are usually fragments of asteroids or comets, often smaller than 1 meter wide, that fly through space.



Meteor

A meteor is a meteoroid that enters Earth's atmosphere. It burns up as it travels through the atmosphere, producing a streak of light behind it.



Meteorite

If a meteor doesn't completely burn up in the Earth's atmosphere, the fragment found on Earth is called a meteorite.



Read More- [Hubble Space Telescope, Comets](#), [National Aeronautics and Space Administration \(NASA\)](#)

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