

Beaver Blood Moon

November 9, 2022

In news- Recently, a rare spectacle of a 'Beaver Blood Moon' took over the night skies of East Asia to North America.

What is Beaver Blood Moon?

- The eclipse, **dubbed the Beaver Blood Moon lunar eclipse** since it occurred during November's Full Beaver Moon.
- **This lunar eclipse got its name from Algonquian languages** once spoken by Native Americans in the New England territory.
- **It coincides with what they called the "Beaver moon" – a moniker for the November full moon** adopted by the Old Farmer's Almanac.
- **As the Earth casts a shadow on the full moon, blocking reflection of all direct sunlight to form the total eclipse, it dims the color of the moon, giving it a reddish hue** which is why it is called the "blood moon".
- During a total solar eclipse, some sunlight will still reach the Moon. This light will pass through the Earth's atmosphere, where blue light will be scattered in all directions due to a phenomenon known as **Rayleigh scattering**.
- This allows the redder light to pass through and reflect off the Moon, causing it to appear reddish during the eclipse.
- According to US space agency NASA, total **lunar eclipses occur about once every year and a half**, on an average but it can vary.
- **2022, for instance, witnessed two blood moons. It was visible across North America, the Pacific, Australia and Asia.**
- This **total lunar eclipse was the last one for the next three years**(until 2025). The lunar eclipse has ended and the Moon is no longer in Earth's shadow.
- A lunar eclipse happens when the Earth moves in between

the Sun and the Moon, partially or completely blocking sunlight from reaching the Moon.

- This causes a shadow on the Moon's surface, which is what we see from Earth.