



Exoplanet WASP-127b

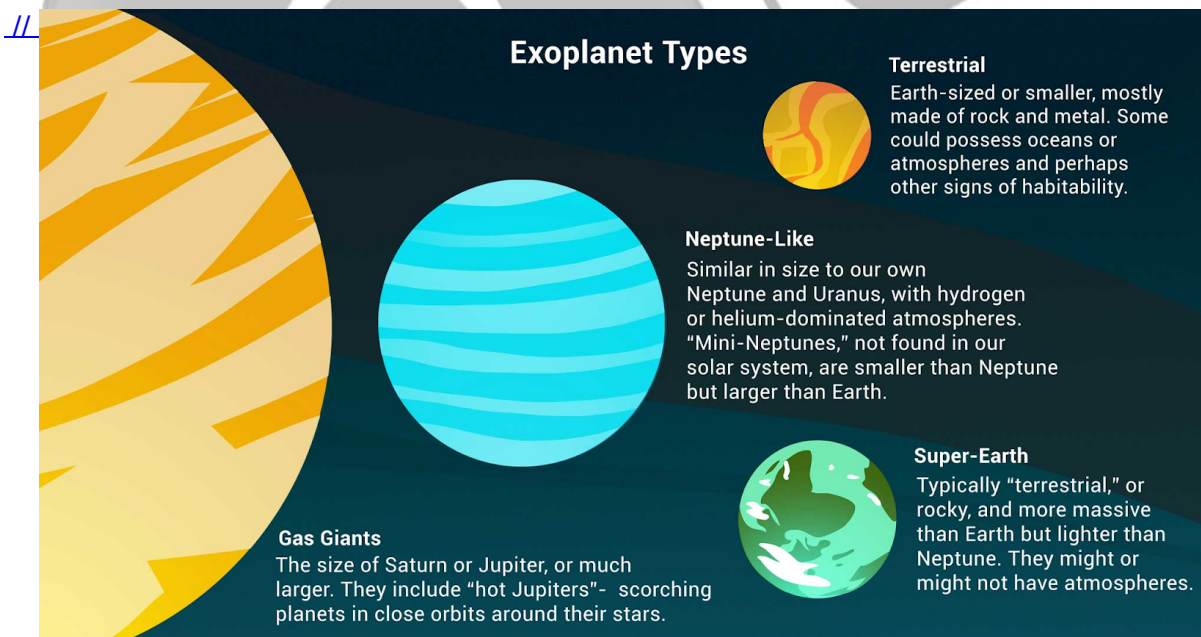
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Astronomers have discovered **extreme wind speeds of up to 33,000 km/h** on the **exoplanet WASP-127b**, a gas giant located about 520 light years from Earth.

- These winds move at around **6 times the speed of the planet's rotation**, which is the **fastest observed on any planet**.

WASP-127b

- **About:**
 - **WASP-127b** is an **exoplanet** (orbits a star outside the solar system) classified as a **"hot Jupiter"**.
 - It is about **30% larger than Jupiter** but only **16% of its mass**, making it one of the **"puffiest" planets** with a **low density**, but with **extreme conditions**.
- **Orbit:**
 - The **planet orbits its star closely**, completing an **orbit every 4 days**, resulting in **extreme temperature differences between its day side** (constantly exposed to stellar radiation) and its night side (perpetually in darkness).
- **Atmosphere:**
 - The atmosphere consists of **hydrogen, helium**, and traces of **carbon monoxide** and **water**. The **day side** temperature reaches **1,127°C**, with the **night side** also heated by **stellar radiation** (Electromagnetic Radiation emitted by stars).



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