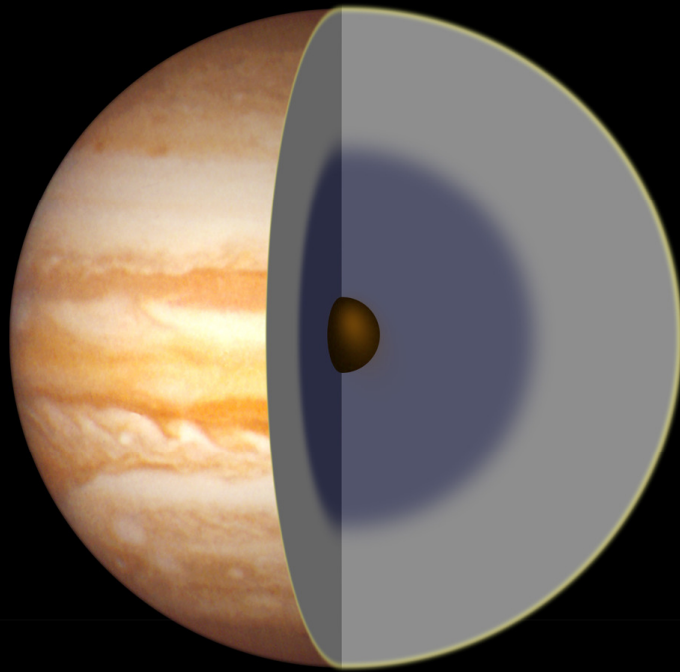




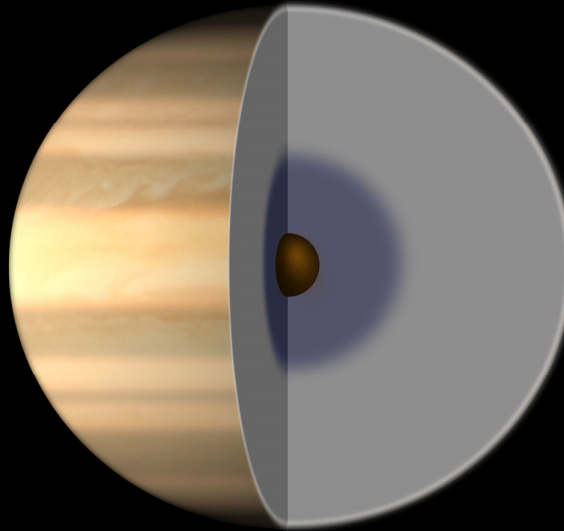
Giant planets of The Solar System

Oliver and Dorida

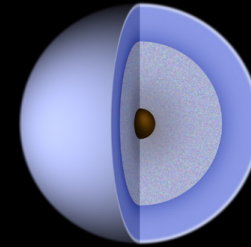




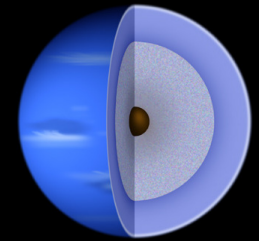
JUPITER



SATURN



URANUS



NEPTUNE



EARTH

■ Molecular hydrogen

■ Metallic hydrogen

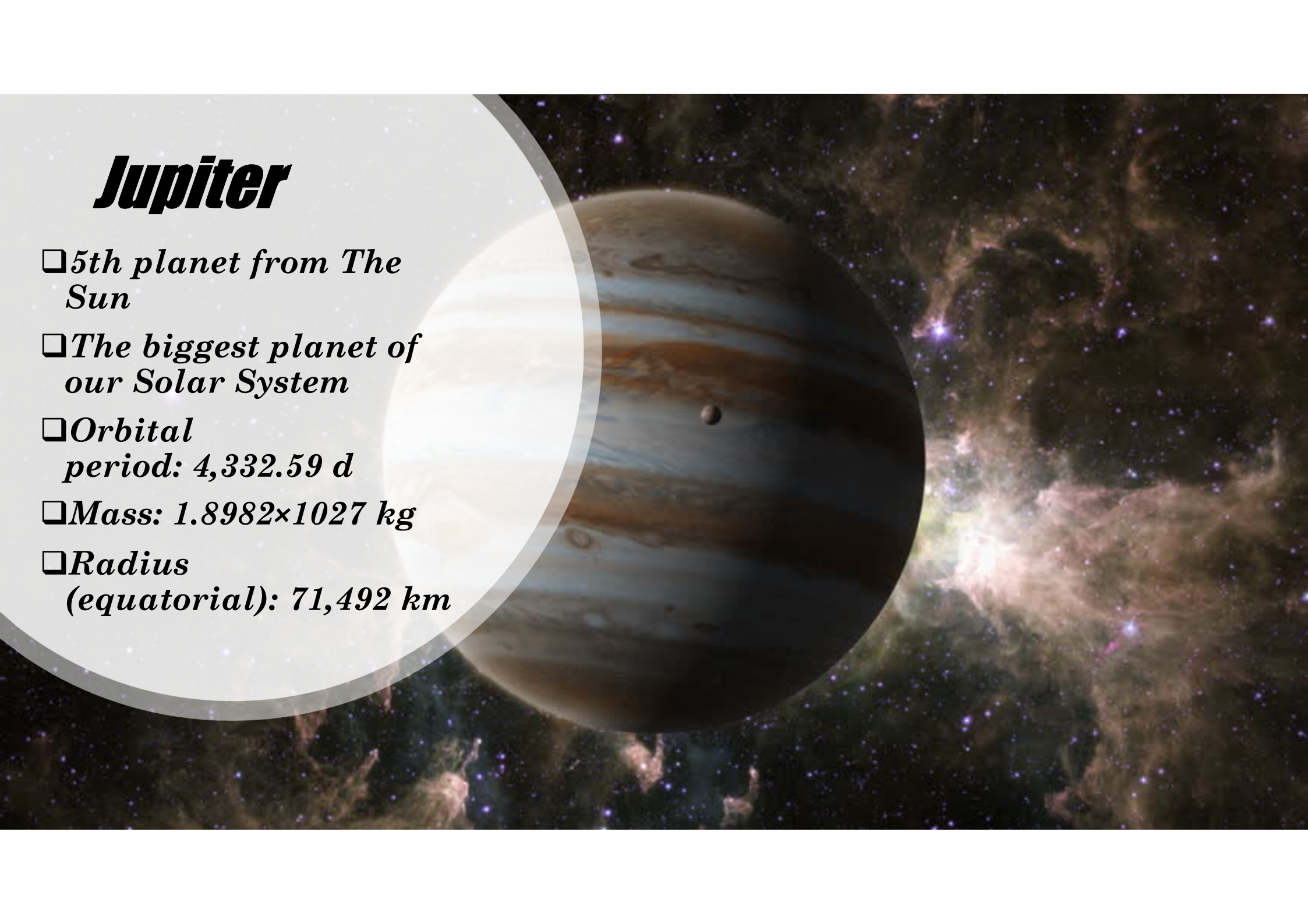
■ Hydrogen, helium, methane gas

■ Mantle (water, ammonia, methane ices)

■ Core (rock, ice)

Jupiter

- ❑ *5th planet from The Sun*
- ❑ *The biggest planet of our Solar System*
- ❑ *Orbital period: 4,332.59 d*
- ❑ *Mass: 1.8982×10^{27} kg*
- ❑ *Radius (equatorial): 71,492 km*







- *Biggest storm on Jupiter*
- *16,350 kilometers wide (1.3 times as wide as Earth)*
- *Counter-clockwise rotation*
- *6 (Earth) day period*

The Great Red Spot

Saturn

- Sixth planet from the Sun
- Orbital period: 10,759.22 d
- Mass: 5.6834×10^{26} kg
- Radius (equatorial): 60,268 km



Uranus

- 7th planet from the Sun
- Orbital period: 30 688.5 d
- Mass: 8.68×10^{25} kg
- Radius (equatorial): 25 362 km



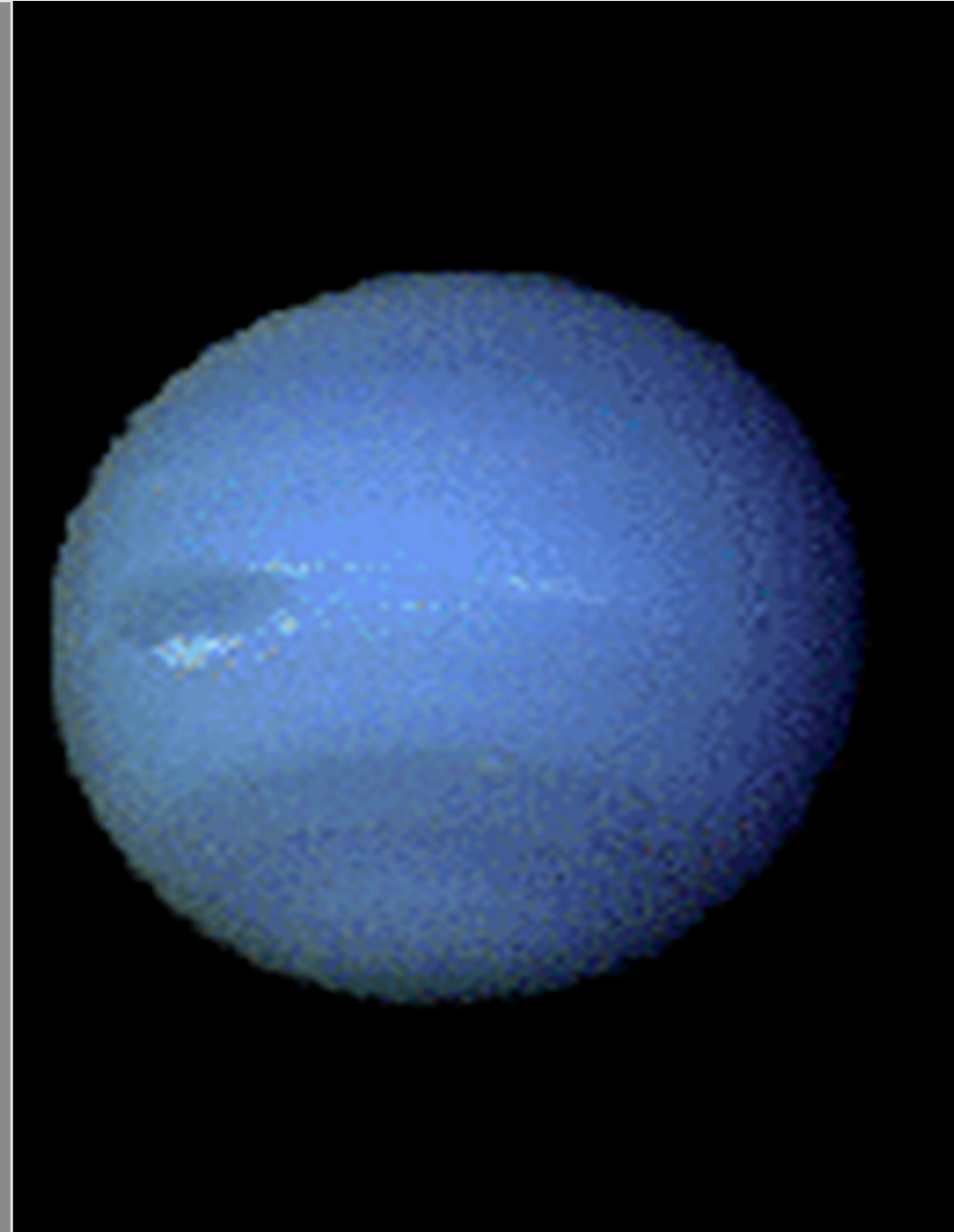
Neptune

- 8th planet from the Sun
- Farthest known planet in our solar system
- Orbital period: 60 182 d
- Mass 1.0243×10^{26} kg
- Equatorial radius: 24 764 km



Similarities between Uranus and Neptune

- Both of them are roughly the same size
- Both are blue due to methane haze layer
- Both are mostly ices of methane, ammonia and water, and they are often referred to as "Ice Giants"



Highly informative,
scientific, entertaining
video



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